

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034285.D
 Acq On : 05 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:06 PM

Quant Time: Sep 06 08:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	332070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	481900	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	471336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	308351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	256848	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	4.86	113	227411	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	7.54	98	896767	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	10.29	95	338004	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	167729	48.296	ug/l	97
3) Chloromethane	1.32	50	189889	50.610	ug/l	99
4) Vinyl Chloride	1.40	62	204607	47.278	ug/l	99
5) Bromomethane	1.61	94	119937	55.034	ug/l	98
6) Chloroethane	1.69	64	127972	50.894	ug/l	98
7) Trichlorofluoromethane	1.87	101	279682	48.198	ug/l	98
8) Diethyl Ether	2.09	74	123848	48.521	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	189856	49.399	ug/l	99
10) Methyl Iodide	2.40	142	153503	44.144	ug/l	99
11) Tert butyl alcohol	2.81	59	277559	261.489	ug/l	99
12) 1,1-Dichloroethene	2.27	96	176759	48.924	ug/l	97
13) Acrolein	2.18	56	173538	194.518	ug/l	99
14) Allyl chloride	2.58	41	337803m	48.906	ug/l	
15) Acrylonitrile	2.92	53	684878	259.102	ug/l	99
16) Acetone	2.31	43	668687	257.182	ug/l	100
17) Carbon Disulfide	2.46	76	371035	45.693	ug/l	100
18) Methyl Acetate	2.60	43	299028	47.265	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	683342	51.891	ug/l	99
20) Methylene Chloride	2.68	84	220657	51.828	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	186182	48.901	ug/l	99
22) Diisopropyl ether	3.55	45	707131	52.496	ug/l	100
23) Vinyl Acetate	3.50	43	2962361	269.987	ug/l	99
24) 1,1-Dichloroethane	3.42	63	389997	48.481	ug/l	99
25) 2-Butanone	4.23	43	941835	271.365	ug/l	100
26) 2,2-Dichloropropane	4.20	77	327820	50.669	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	235829	51.000	ug/l	99
28) Bromochloromethane	4.52	49	178510	48.245	ug/l	100
29) Tetrahydrofuran	4.61	42	556286	263.397	ug/l	99
30) Chloroform	4.65	83	388084	47.462	ug/l	98
31) Cyclohexane	4.97	56	292661	49.729	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	320998	49.101	ug/l	99
36) 1,1-Dichloropropene	5.11	75	262117	50.154	ug/l	99
37) Ethyl Acetate	4.36	43	321971	52.106	ug/l	98
38) Carbon Tetrachloride	5.11	117	273202	48.959	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034285.D
 Acq On : 05 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:06 PM

Quant Time: Sep 06 08:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	295899	52.963	ug/l	99
40) Benzene	5.37	78	833723	49.438	ug/l	99
41) Methacrylonitrile	4.52	41	177710	53.992	ug/l	99
42) 1,2-Dichloroethane	5.38	62	285621	48.782	ug/l	100
43) Isopropyl Acetate	5.53	43	503218	52.204	ug/l	100
44) Trichloroethene	6.16	130	227508	48.753	ug/l	97
45) 1,2-Dichloropropane	6.41	63	246492	49.998	ug/l	100
46) Dibromomethane	6.54	93	153205	49.507	ug/l	98
47) Bromodichloromethane	6.74	83	313702	49.247	ug/l	99
48) Methyl methacrylate	6.60	41	237107	51.789	ug/l	99
49) 1,4-Dioxane	6.59	88	111400	1114.293	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1712121	256.599	ug/l	100
52) Toluene	7.62	92	539282	50.978	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	344766	52.212	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	379414	52.353	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	234665	48.852	ug/l	98
56) Ethyl methacrylate	8.00	69	360739	49.465	ug/l	99
57) 1,3-Dichloropropane	8.22	76	388458	49.663	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	648140	261.673	ug/l	100
59) 2-Hexanone	8.34	43	1333232	267.470	ug/l	100
60) Dibromochloromethane	8.46	129	260744	50.607	ug/l	98
61) 1,2-Dibromoethane	8.57	107	236393	50.279	ug/l	100
64) Tetrachloroethene	8.21	164	198785	48.613	ug/l	98
65) Chlorobenzene	9.10	112	608677	50.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	230284	50.461	ug/l	100
67) Ethyl Benzene	9.23	91	1047810	53.591	ug/l	99
68) m/p-Xylenes	9.36	106	808118	109.761	ug/l	99
69) o-Xylene	9.76	106	393972	54.716	ug/l	100
70) Styrene	9.77	104	710342	56.269	ug/l	99
71) Bromoform	9.94	173	203358	51.417	ug/l #	99
73) Isopropylbenzene	10.15	105	1078628	53.752	ug/l	100
74) N-amyl acetate	10.00	43	460443	57.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	399779	49.218	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	334511m	49.699	ug/l	
77) Bromobenzene	10.43	156	290579	51.788	ug/l	100
78) n-propylbenzene	10.57	91	1267085	54.674	ug/l	100
79) 2-Chlorotoluene	10.64	91	754449	53.354	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	935618	55.749	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	113813m	56.865	ug/l	
82) 4-Chlorotoluene	10.75	91	879228	54.030	ug/l	100
83) tert-Butylbenzene	11.08	119	913543	54.413	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	950391	56.257	ug/l	100
85) sec-Butylbenzene	11.31	105	1108050	55.904	ug/l	100
86) p-Isopropyltoluene	11.46	119	1033543	56.496	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	534372	52.191	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	538737	50.447	ug/l	100
89) n-Butylbenzene	11.87	91	944317	59.398	ug/l	100
90) Hexachloroethane	12.13	117	154448	52.769	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	519875	51.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	80390	53.860	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
Data File : VU034285.D
Acq On : 05 Sep 2019 15:49
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM

Quant Time: Sep 06 08:00:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	386777	52.792	ug/l	100
94) Hexachlorobutadiene	13.67	225	182133	51.745	ug/l	100
95) Naphthalene	13.72	128	1049225	50.971	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	375992	53.165	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

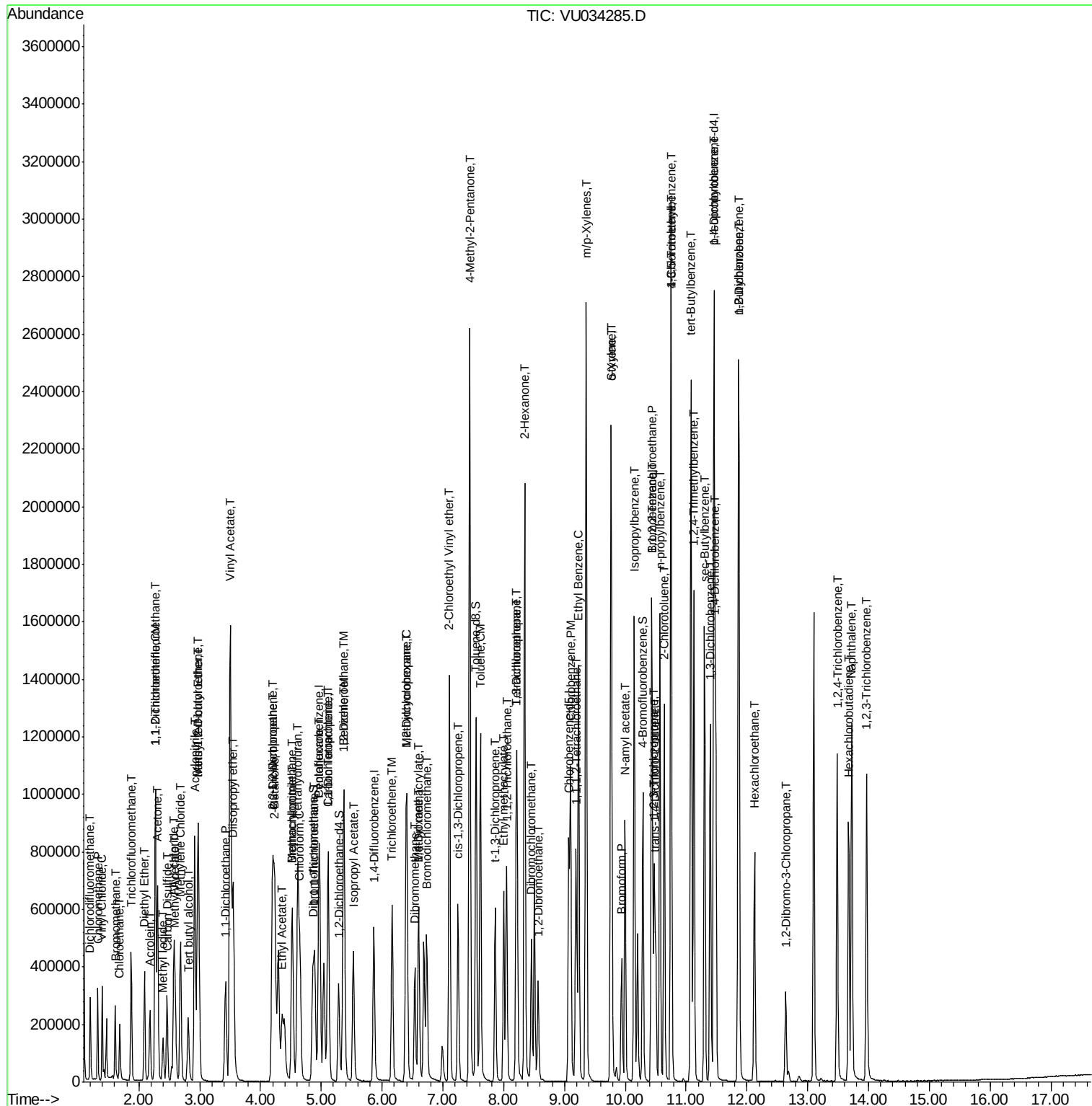
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090619\
Data File : VU034285.D
Acq On : 05 Sep 2019 15:49
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

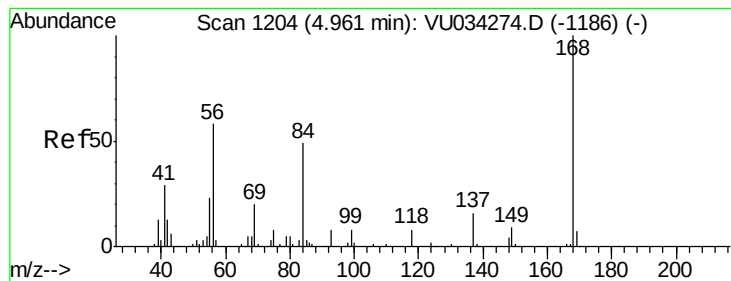
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM

Quant Time: Sep 06 08:00:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 332070

Ion Ratio Lower Upper

168 100

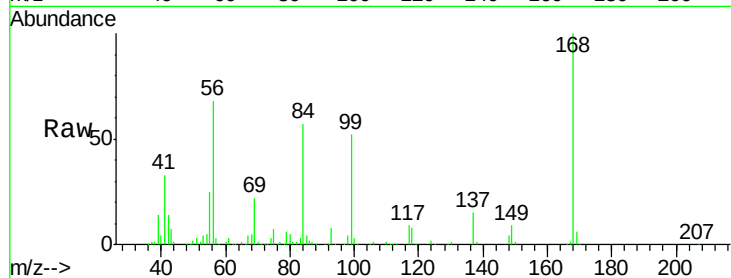
99 51.3 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

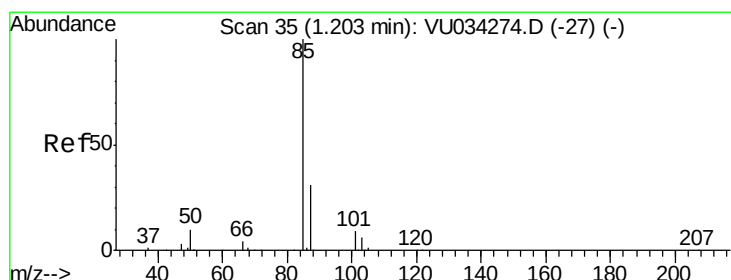
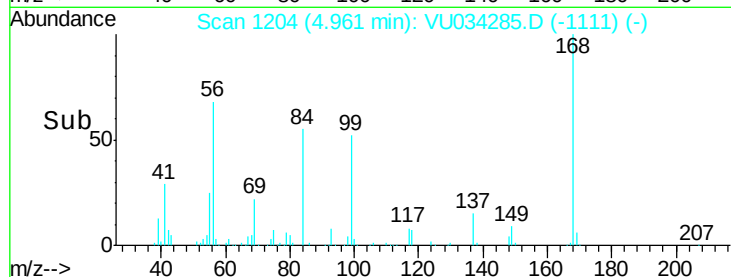
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.296 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034285.D

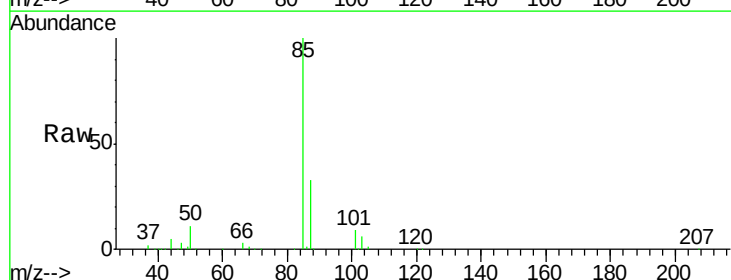
Acq: 05 Sep 2019 15:49

Tgt Ion: 85 Resp: 167729

Ion Ratio Lower Upper

85 100

87 33.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

150000

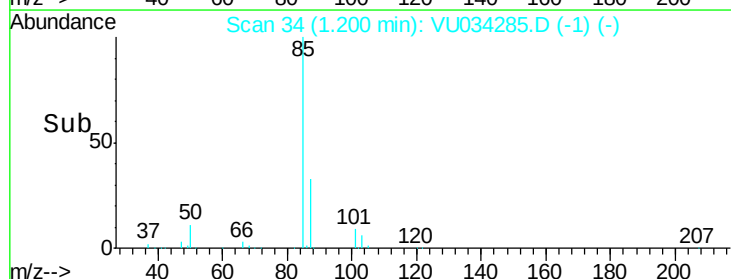
100000

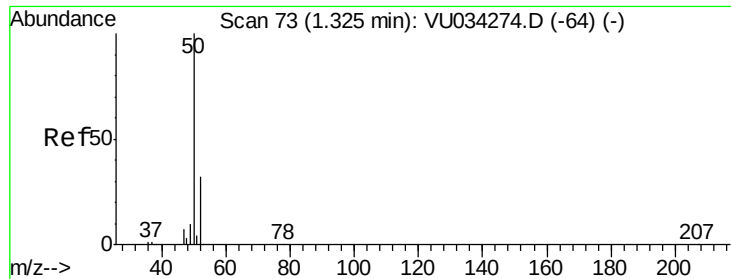
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 50.610 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189889

Ion Ratio Lower Upper

50 100

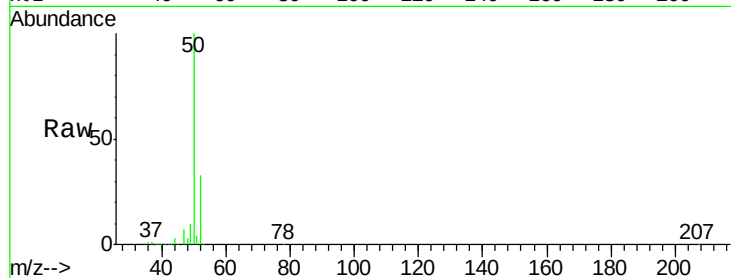
52 32.6 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 49.90 (49.60 to 50.60): VU034285.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034285.D (-1) (-)

1.32

200000

150000

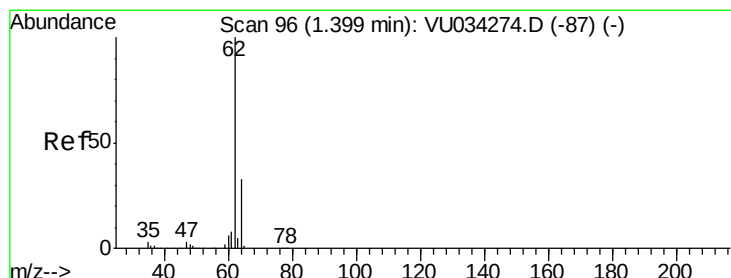
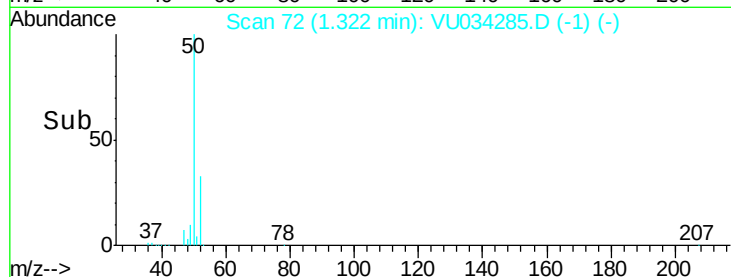
100000

50000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 47.278 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034285.D

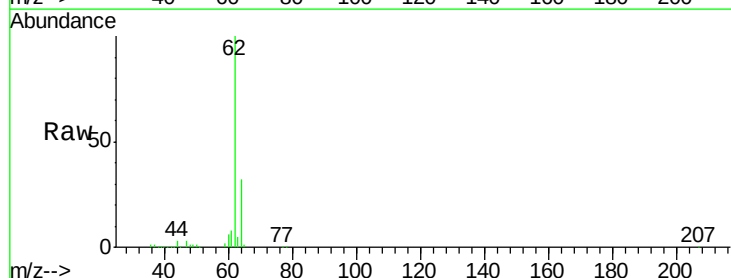
Acq: 05 Sep 2019 15:49

Tgt Ion: 62 Resp: 204607

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034285.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034285.D (-3) (-)

1.40

200000

150000

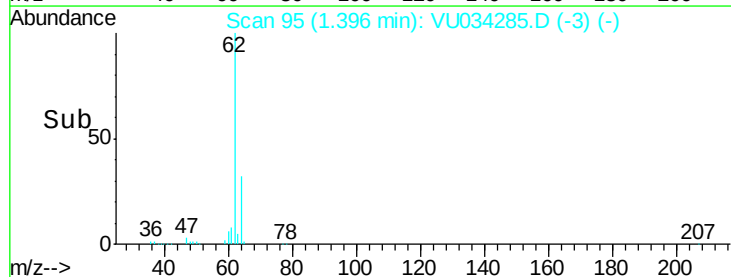
100000

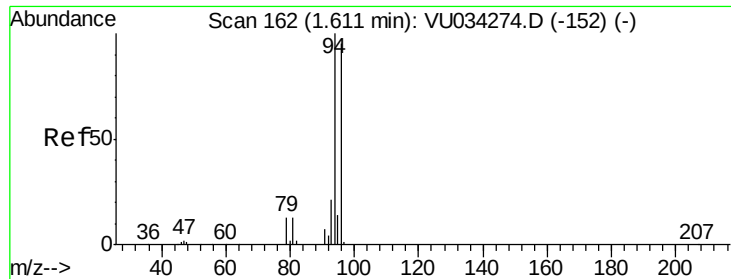
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 55.034 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 119937

Ion Ratio Lower Upper

94 100

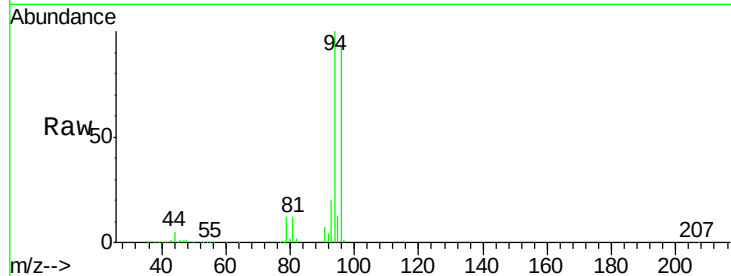
96 92.8 75.7 113.5

Manual Integrations

APPROVED

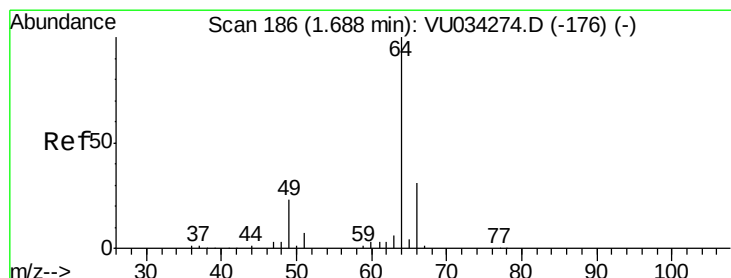
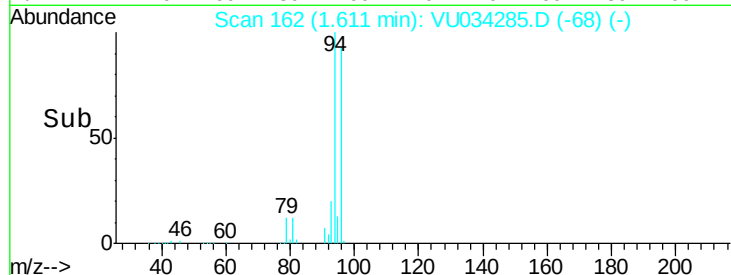
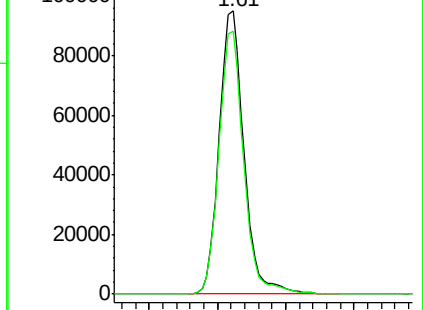
MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 93.90 (93.60 to 94.60): VU034285.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034285.D (-68) (-)



#6

Chloroethane

Concen: 50.894 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034285.D

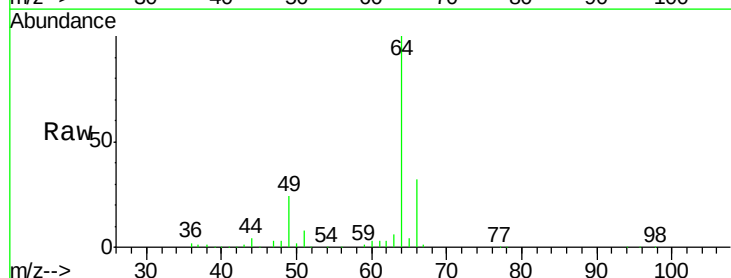
Acq: 05 Sep 2019 15:49

Tgt Ion: 64 Resp: 127972

Ion Ratio Lower Upper

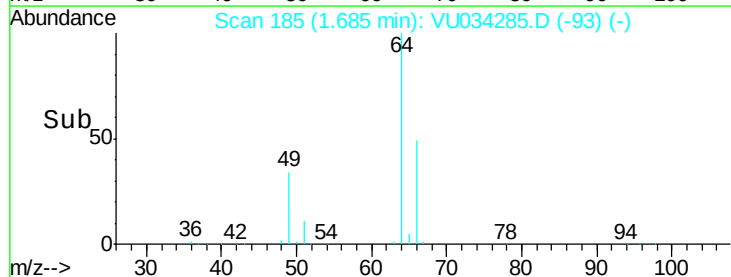
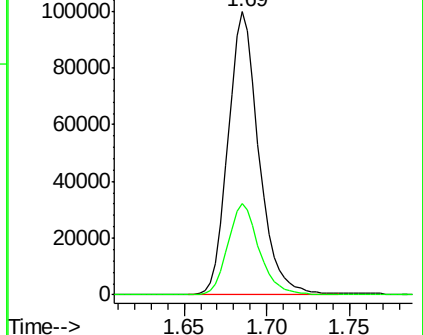
64 100

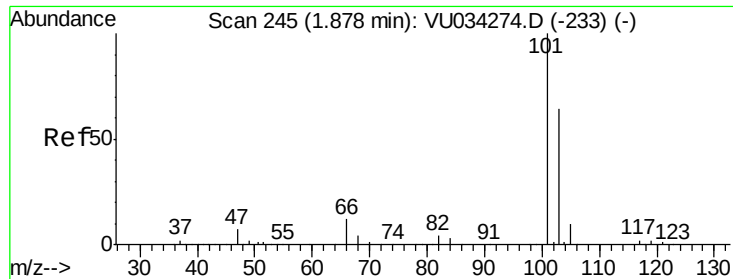
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034285.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034285.D (-93) (-)





#7

Trichlorofluoromethane

Concen: 48.198 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 279682

Ion Ratio Lower Upper

101 100

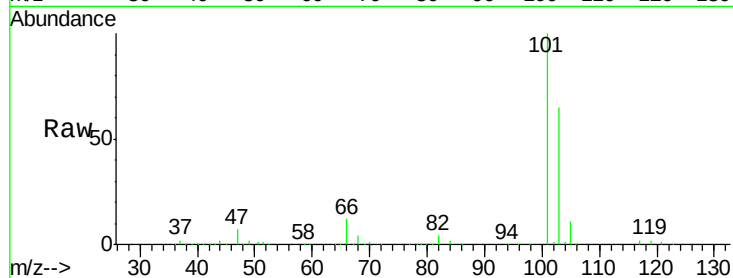
103 65.0 51.0 76.6

Manual Integrations

APPROVED

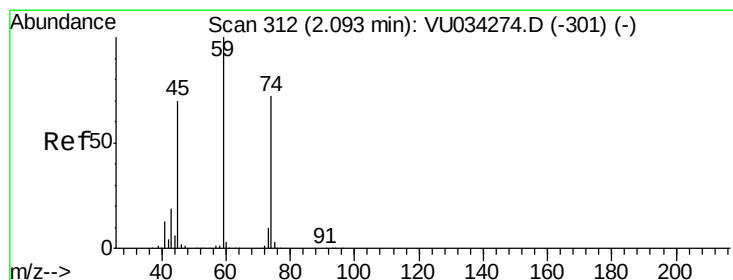
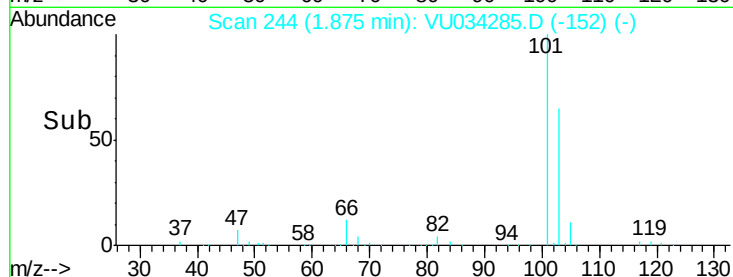
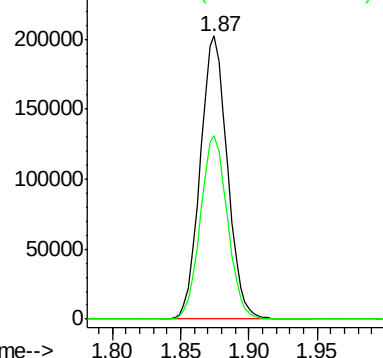
MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.521 ug/l

RT: 2.09 min Scan# 311

Delta R.T. -0.00 min

Lab File: VU034285.D

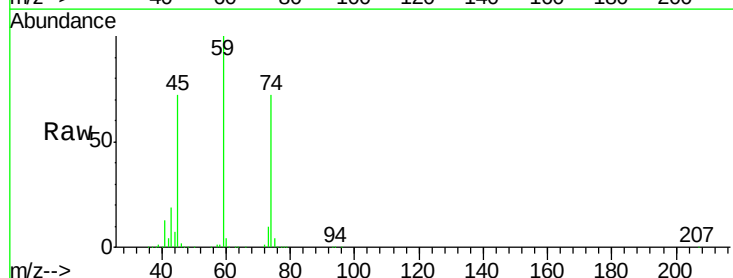
Acq: 05 Sep 2019 15:49

Tgt Ion: 74 Resp: 123848

Ion Ratio Lower Upper

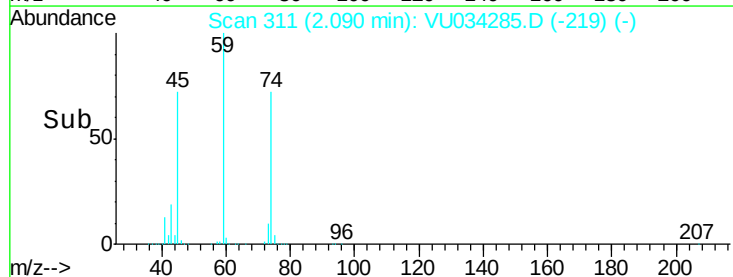
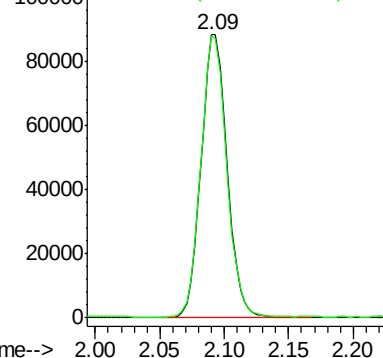
74 100

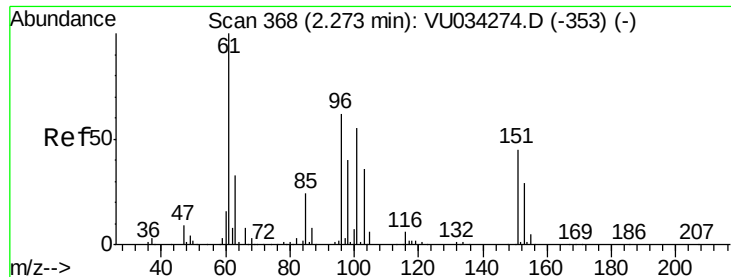
45 98.4 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.399 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

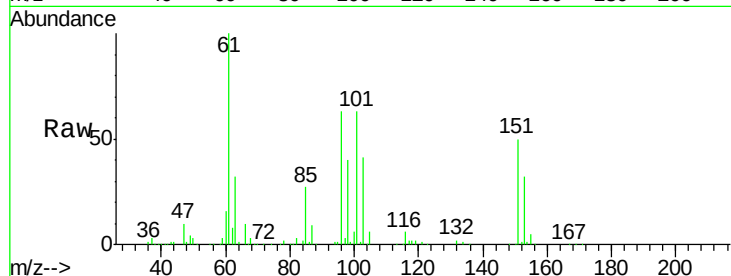
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	189856
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.4	51.6
151	80.1	64.4	96.6

Manual Integrations
APPROVED

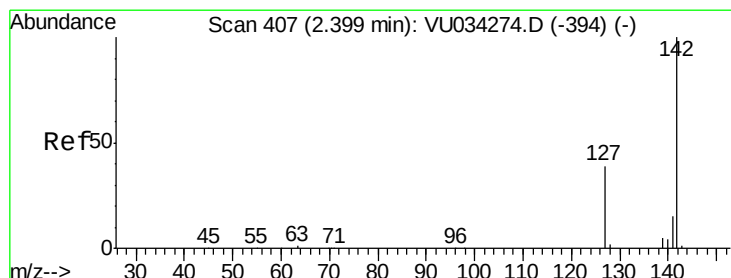
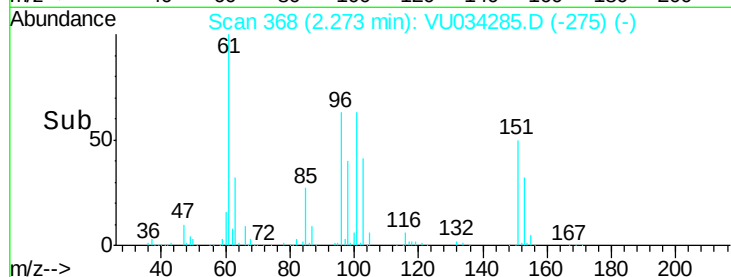
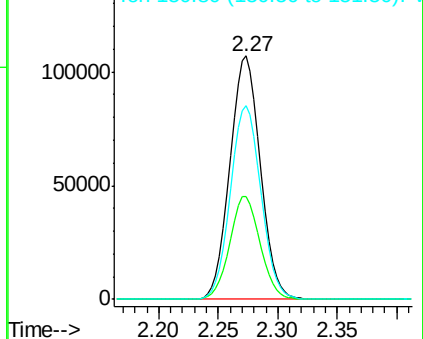
MMDadoda
9/6/2019 3:22:06 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.144 ug/l

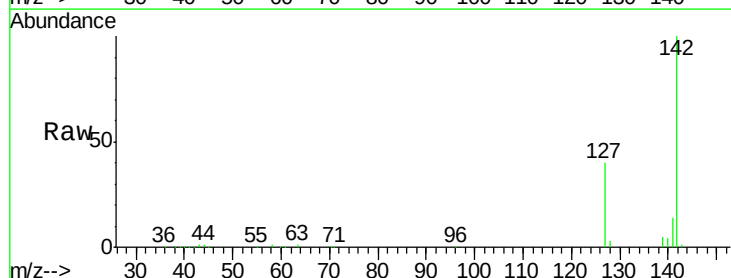
RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

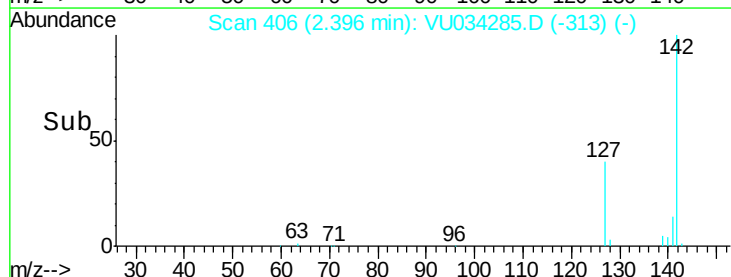
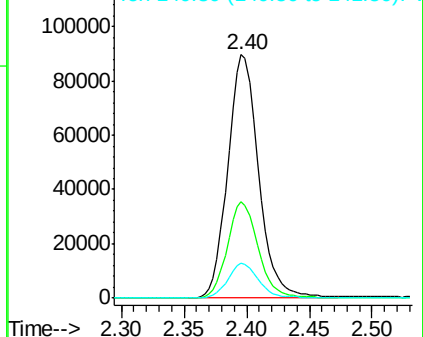
Tgt Ion:	142	Resp:	153503
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.1	48.1
141	14.2	11.5	17.3

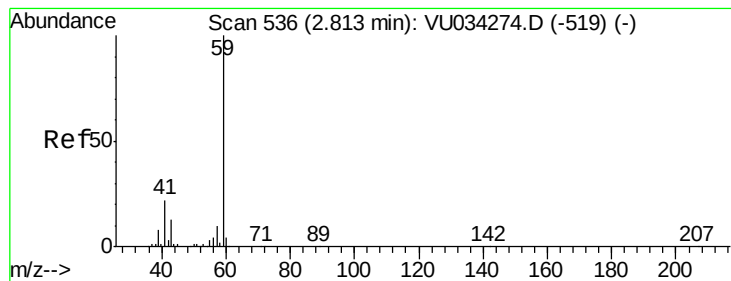


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

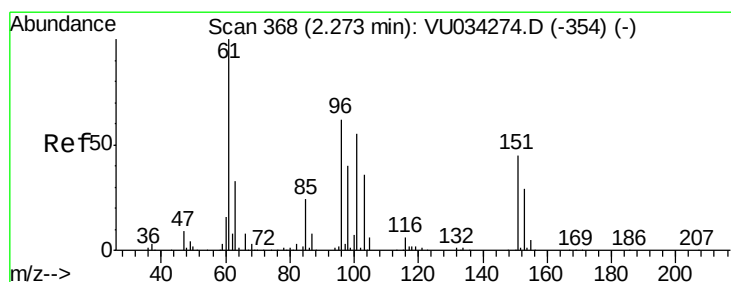
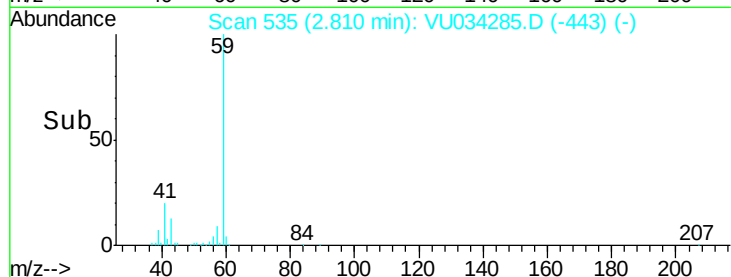
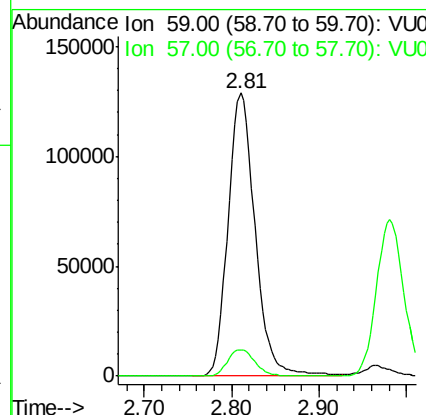
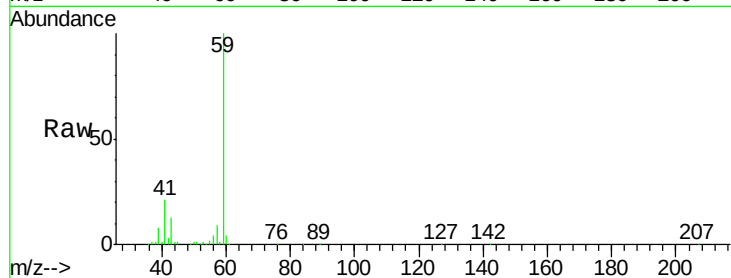
Tert butyl alcohol
Concen: 261.489 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	277559		
57	9.7		7.9	11.9

Manual Integrations
APPROVED

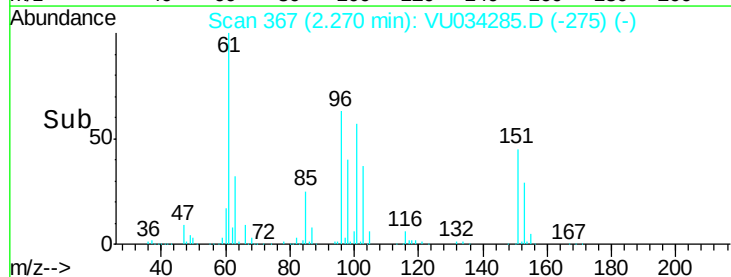
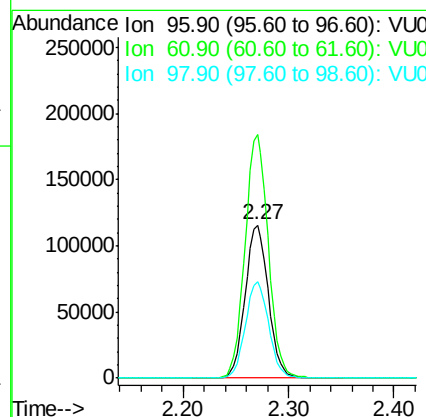
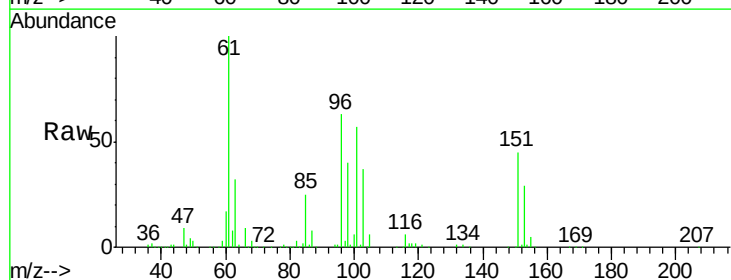
MMDadoda
9/6/2019 3:22:06 PM

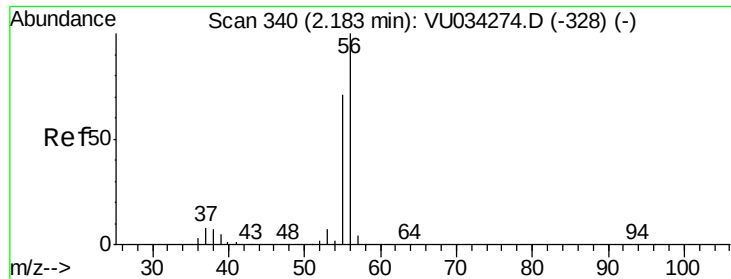


#12

1,1-Dichloroethene
Concen: 48.924 ug/l
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	176759		
61	159.1		130.0	195.0
98	63.1		52.2	78.4





#13

Acrolein

Concen: 194.518 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 173538

Ion Ratio Lower Upper

56 100

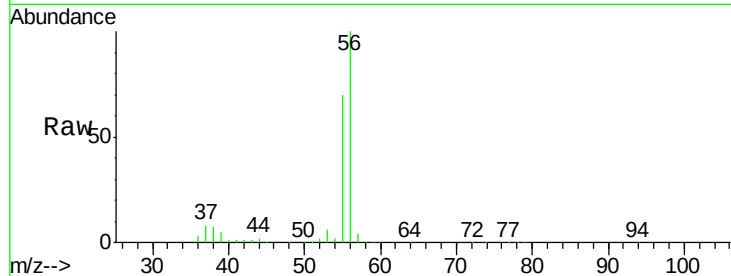
55 70.9 57.4 86.2

Manual Integrations

APPROVED

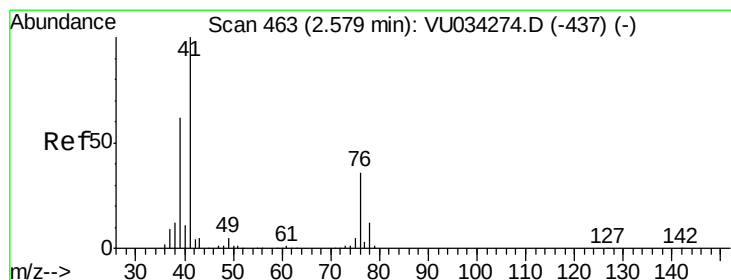
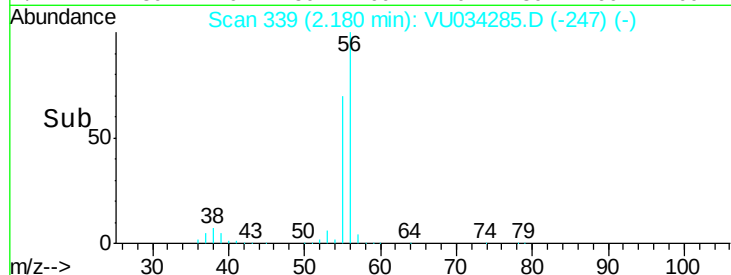
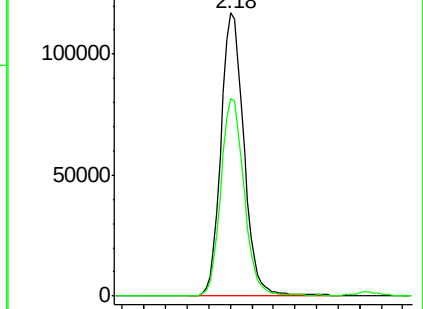
MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)



#14

Allyl chloride

Concen: 48.906 ug/l m

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

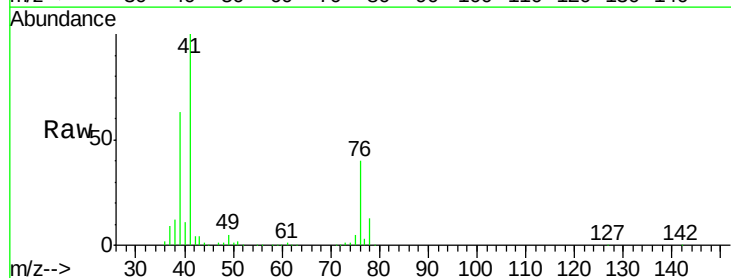
Tgt Ion: 41 Resp: 337803

Ion Ratio Lower Upper

41 100

39 55.4 43.5 65.3

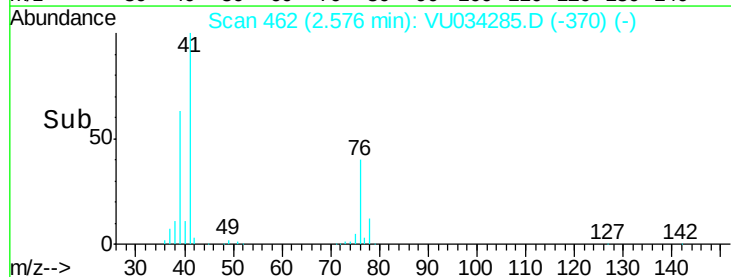
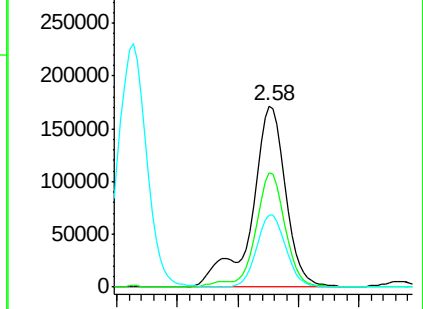
76 34.2 27.0 40.6

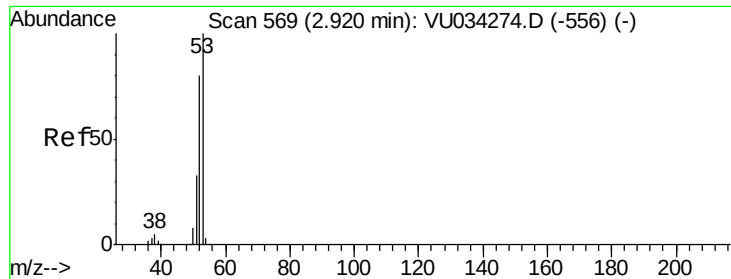


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)





#15

Acrylonitrile

Concen: 259.102 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

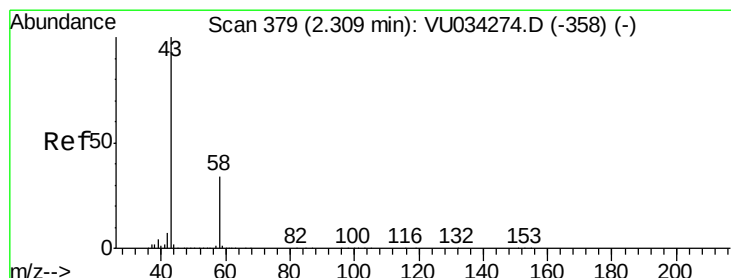
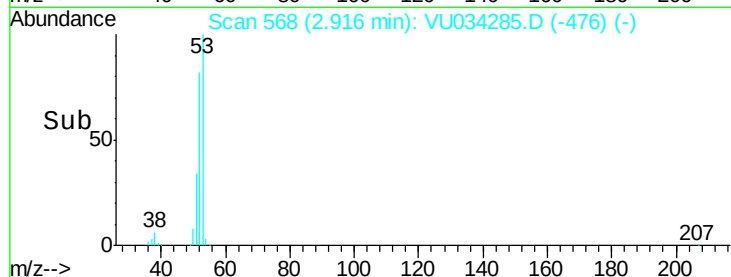
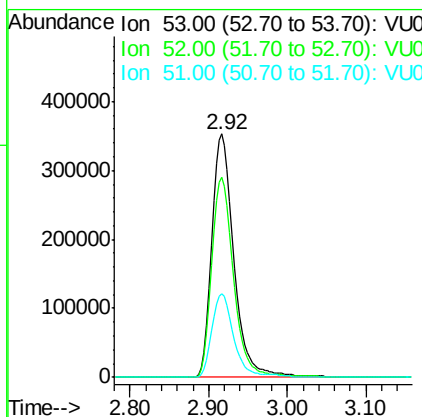
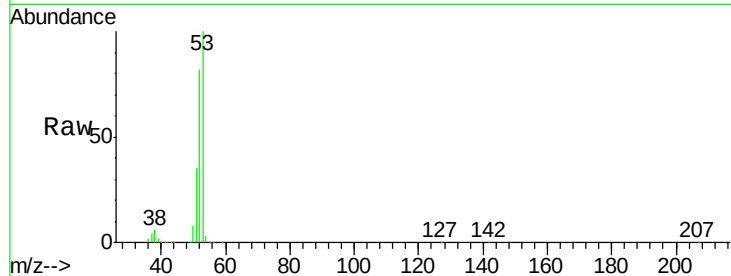
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	684878
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.1	96.1
51	34.7	27.4	41.0

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#16

Acetone

Concen: 257.182 ug/l

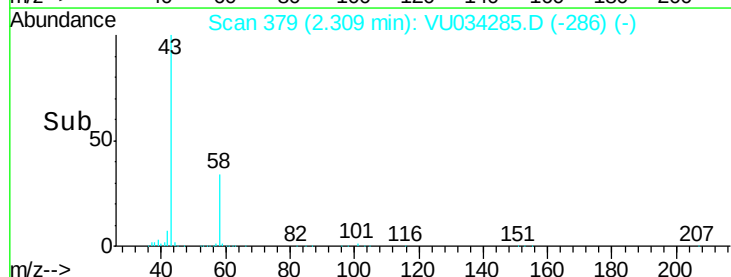
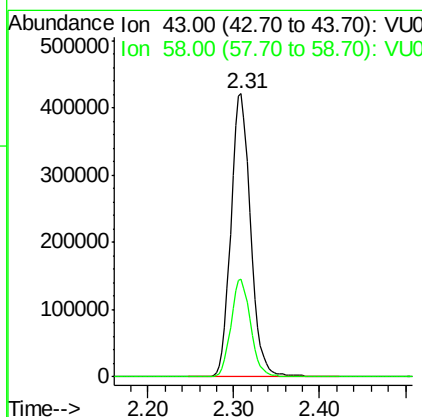
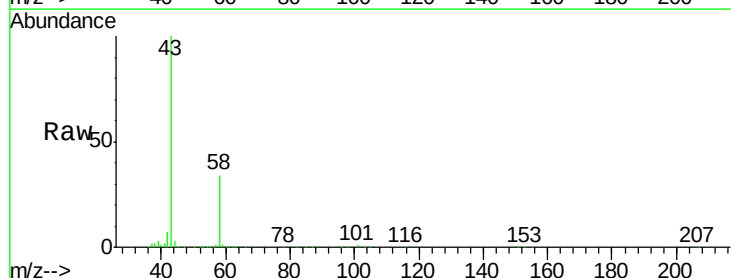
RT: 2.31 min Scan# 379

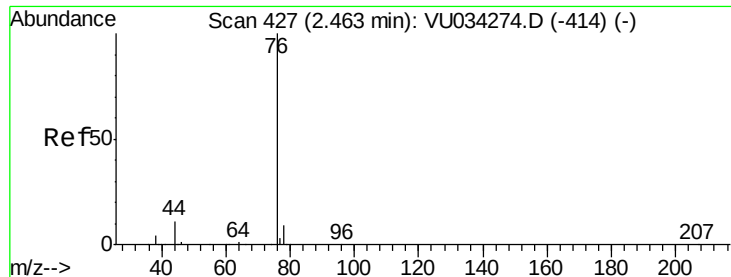
Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	43	Resp:	668687
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.6	41.4





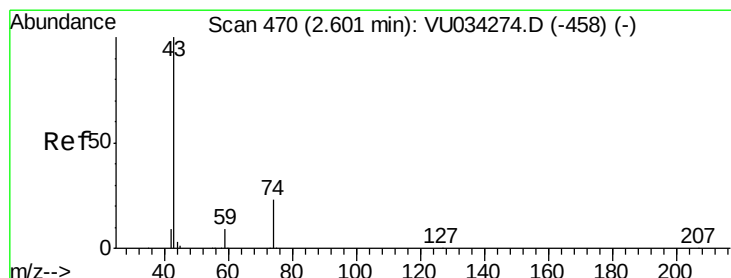
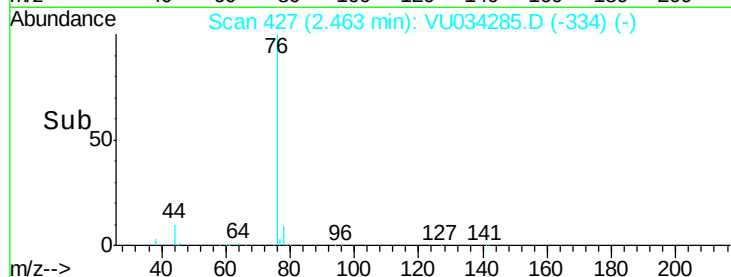
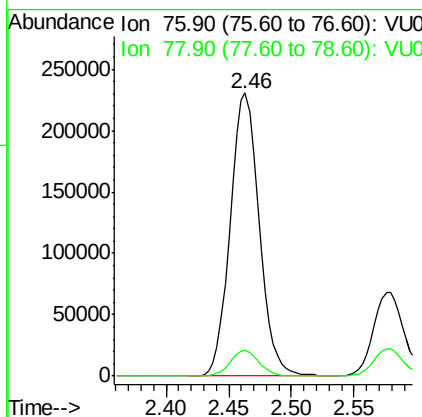
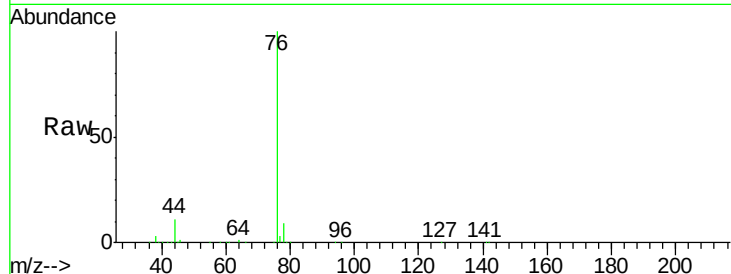
#17
Carbon Disulfide
Concen: 45.693 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

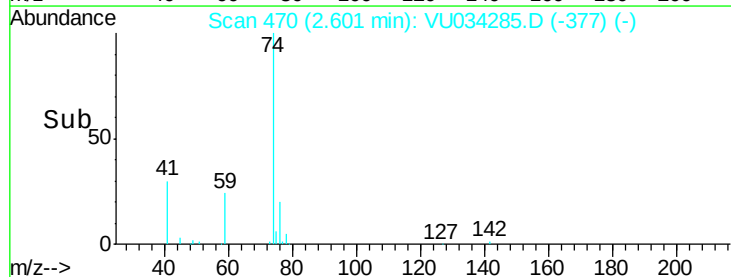
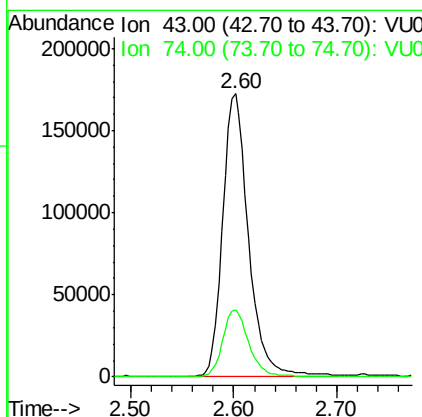
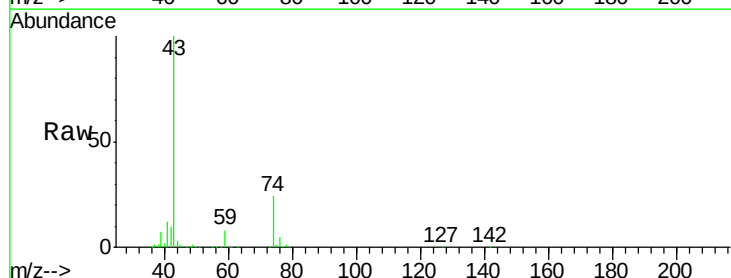
Manual Integrations
APPROVED

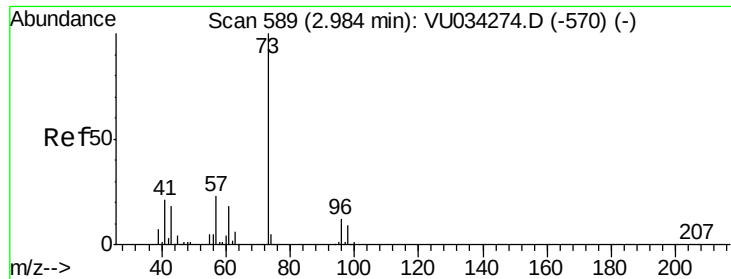
MMDadoda
9/6/2019 3:22:06 PM



#18
Methyl Acetate
Concen: 47.265 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.9	28.3





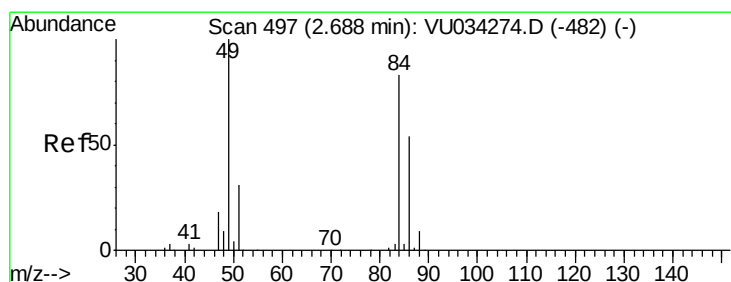
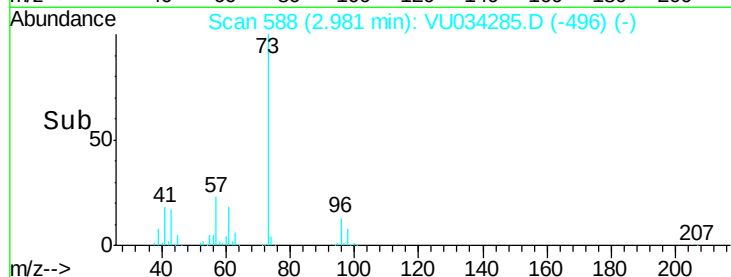
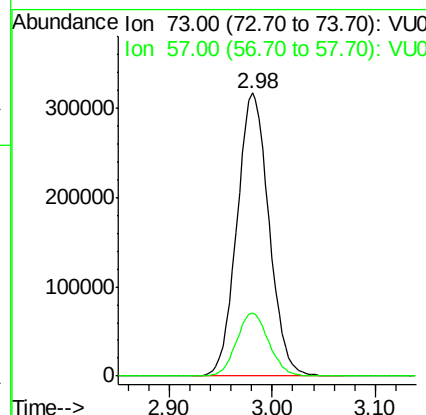
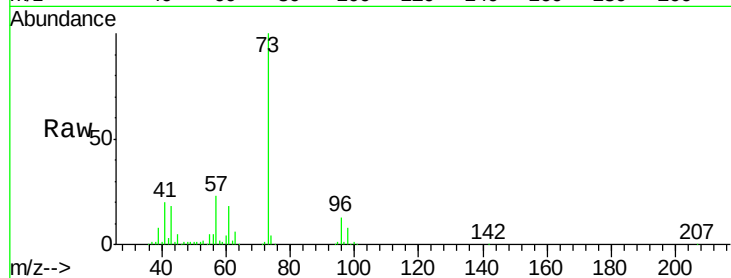
#19
Methyl tert-butyl Ether
Concen: 51.891 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4

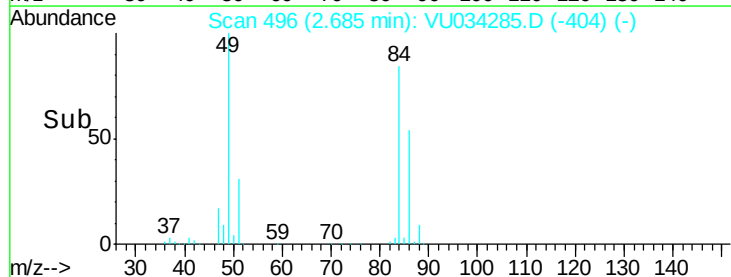
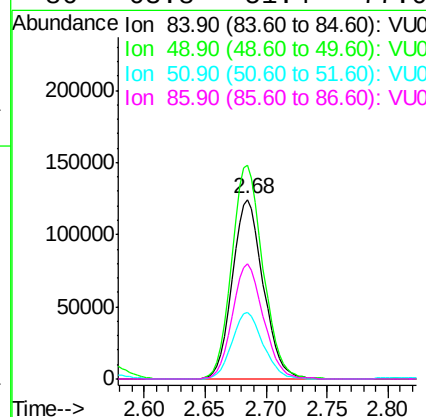
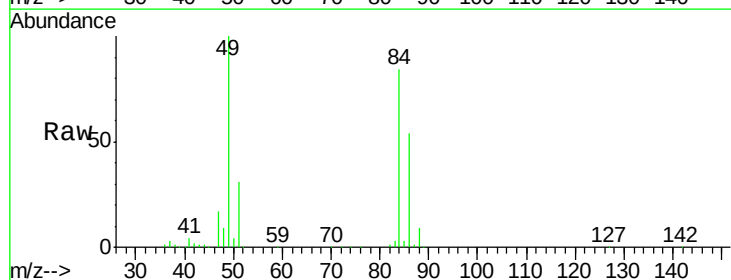
Manual Integrations
APPROVED

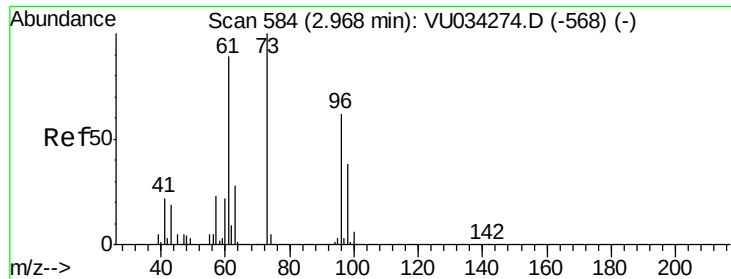
MMDadoda
9/6/2019 3:22:06 PM



#20
Methylene Chloride
Concen: 51.828 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.8	96.0	144.0
51	36.9	30.0	45.0
86	63.8	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 48.901 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

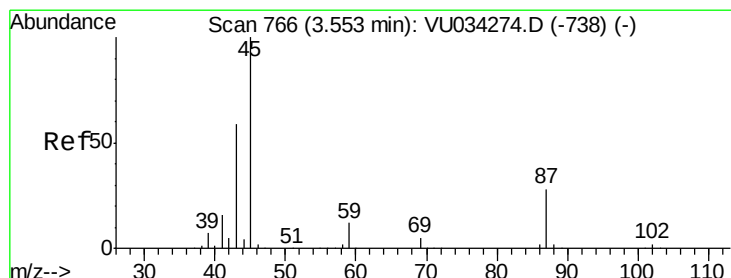
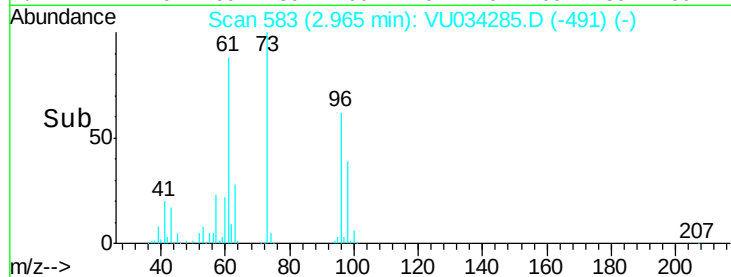
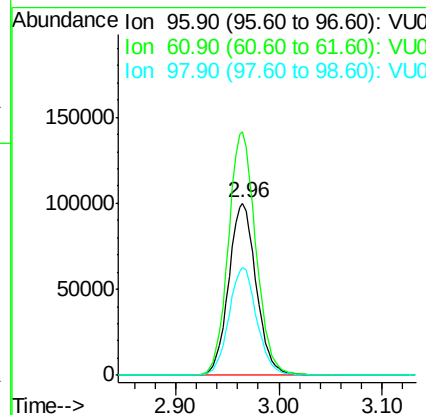
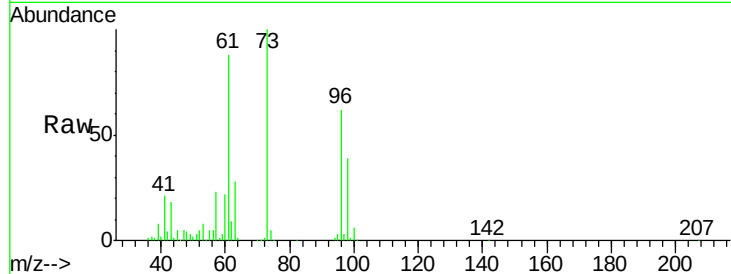
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	186182
Ion	Ratio	Lower	Upper
96	100		
61	141.1	114.8	172.2
98	62.6	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#22

Diisopropyl ether

Concen: 52.496 ug/l

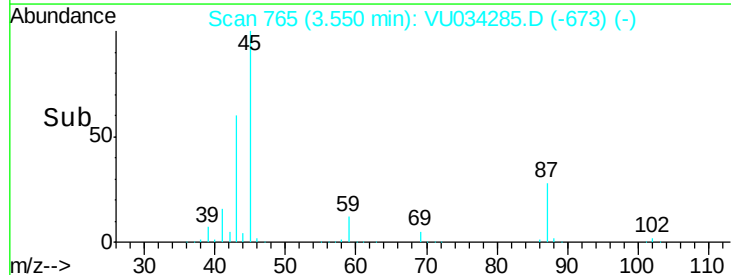
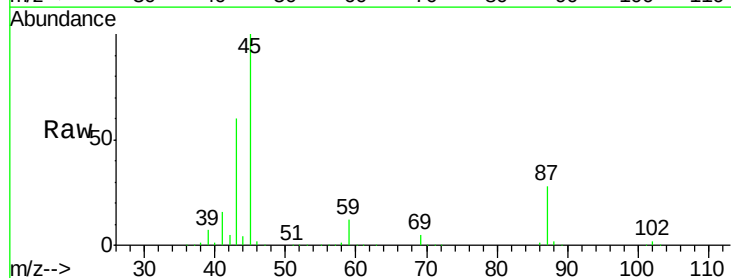
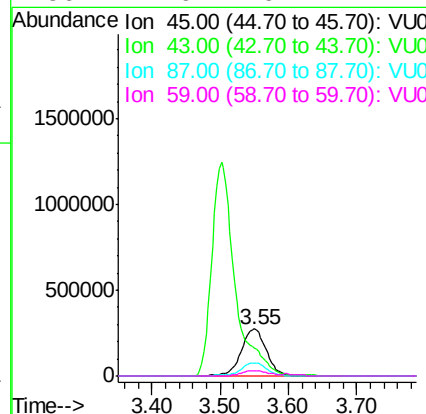
RT: 3.55 min Scan# 765

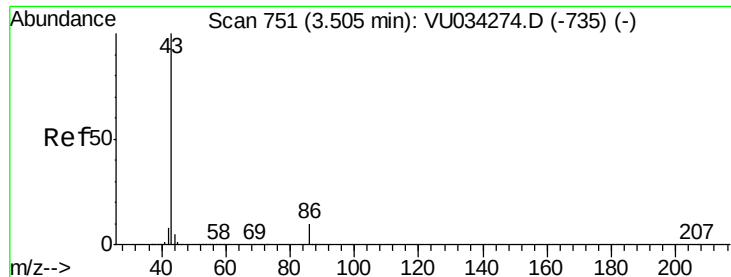
Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	45	Resp:	707131
Ion	Ratio	Lower	Upper
45	100		
43	59.5	47.5	71.3
87	28.3	22.2	33.4
59	11.9	9.4	14.2





#23

Vinyl Acetate

Concen: 269.987 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2962361

Ion Ratio Lower Upper

43 100

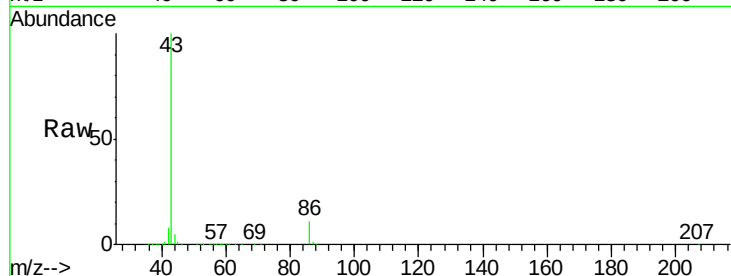
86 10.7 8.3 12.5

Manual Integrations

APPROVED

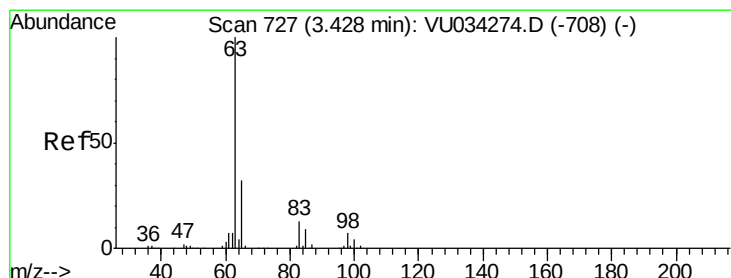
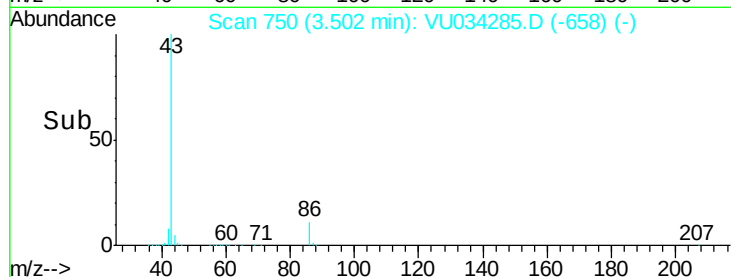
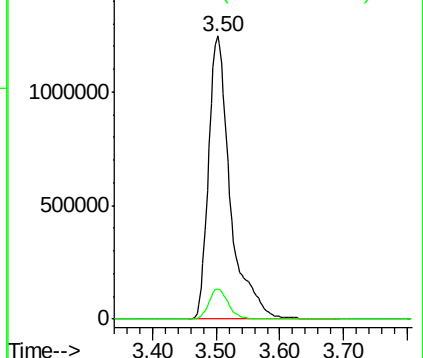
MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034285.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034285.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 48.481 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

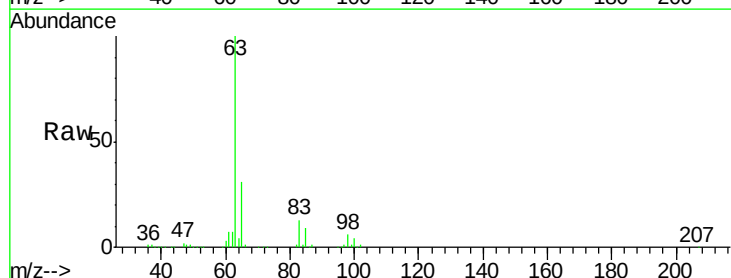
Tgt Ion: 63 Resp: 389997

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

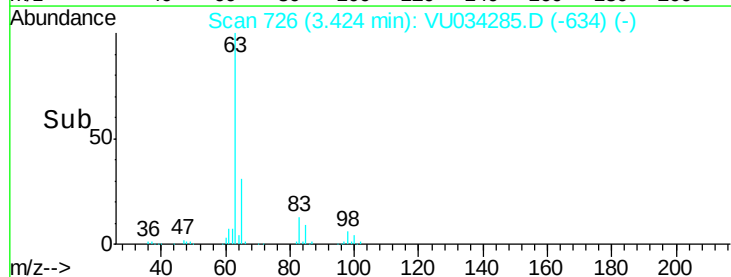
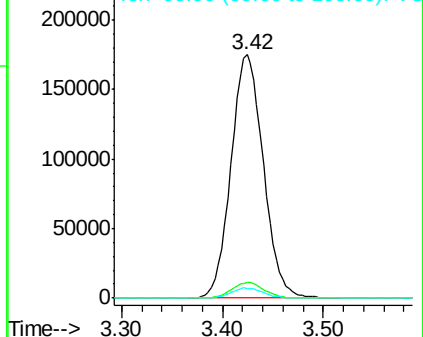
100 4.1 2.1 6.5

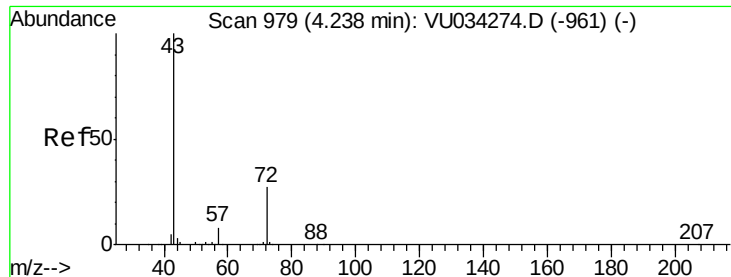


Abundance Ion 62.90 (62.60 to 63.60): VU034285.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034285.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034285.D (-634) (-)





#25

2-Butanone

Concen: 271.365 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 941835

Ion Ratio Lower Upper

43 100

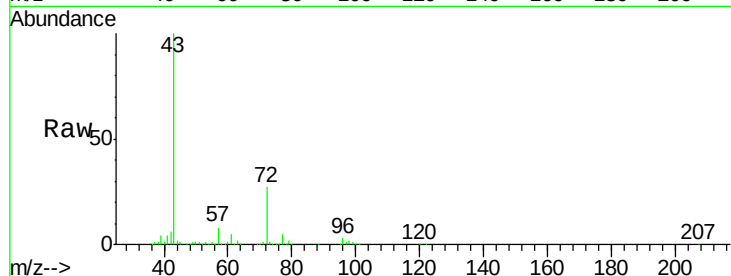
72 27.0 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM

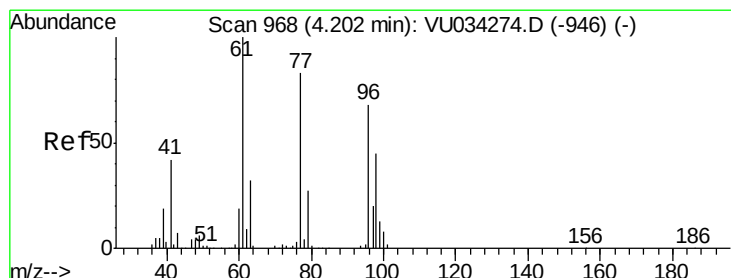
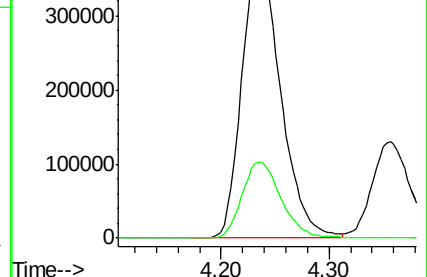
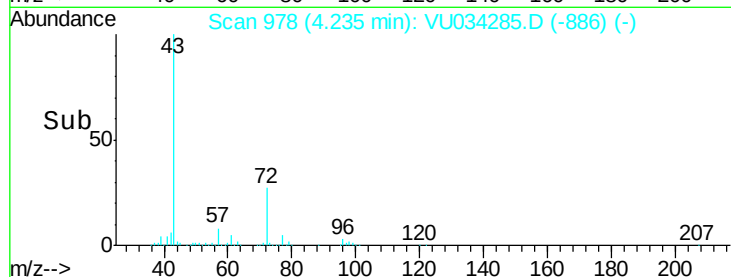


Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.23

4.20



#26

2,2-Dichloropropane

Concen: 50.669 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034285.D

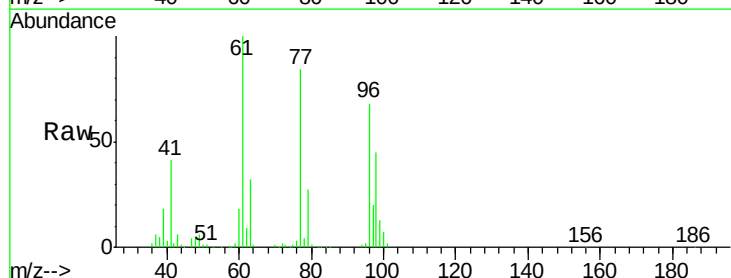
Acq: 05 Sep 2019 15:49

Tgt Ion: 77 Resp: 327820

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3

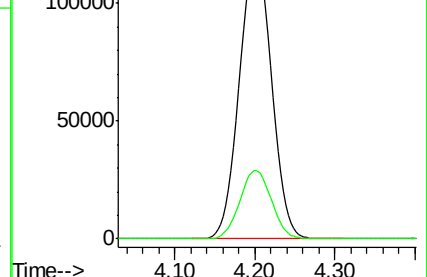
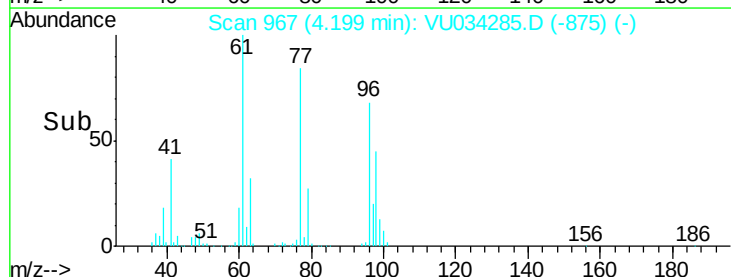


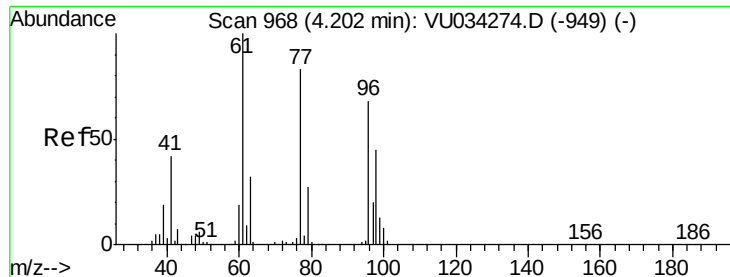
Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.20

4.10





#27

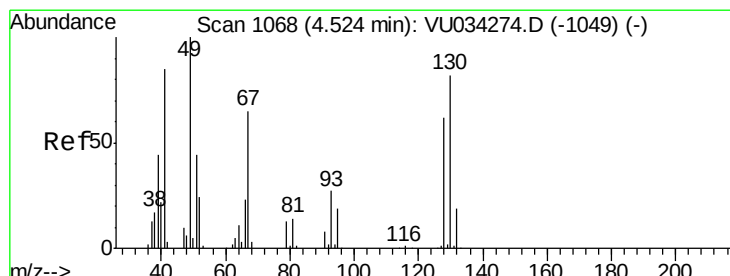
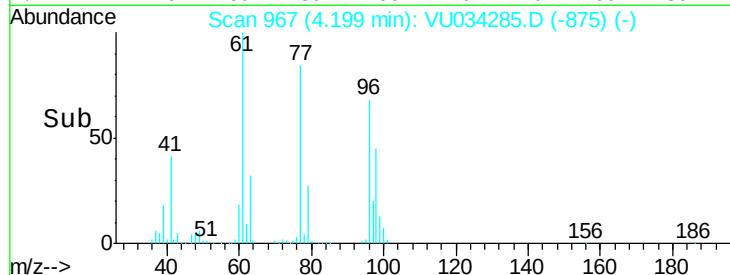
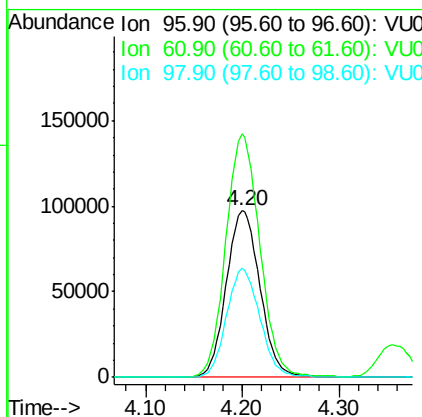
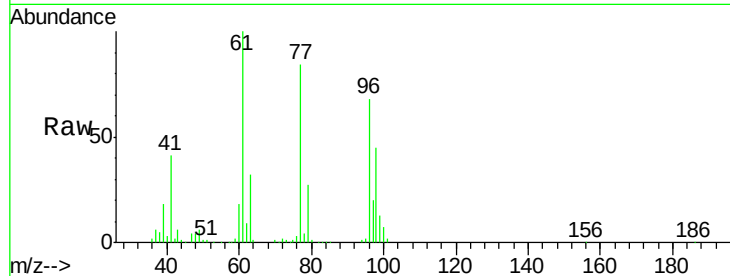
cis-1,2-Dichloroethene
 Concen: 51.000 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	235829		
61	147.2	0.0	297.4	
98	64.8	0.0	130.0	

Manual Integrations
 APPROVED

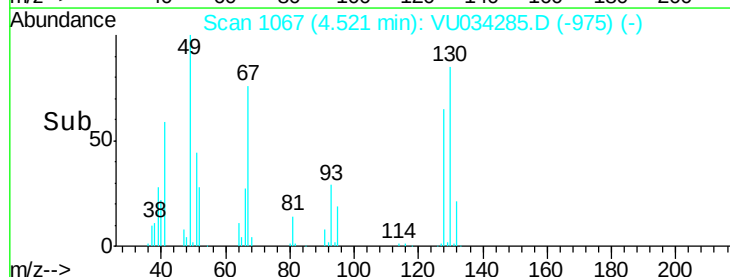
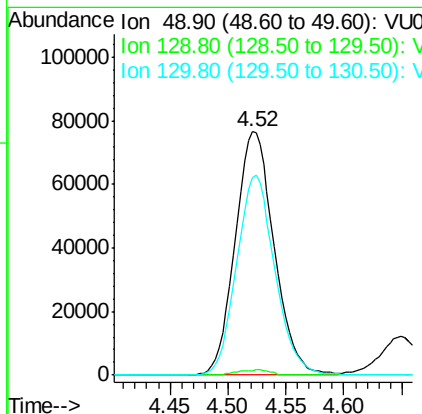
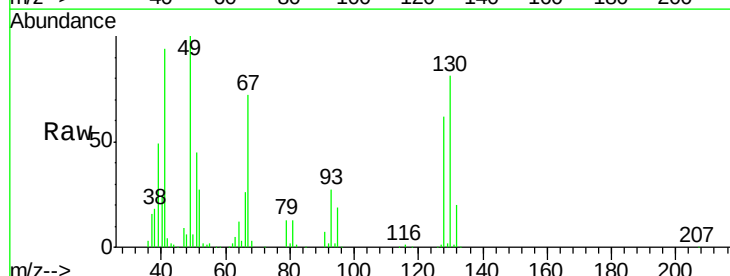
MMDadoda
 9/6/2019 3:22:06 PM

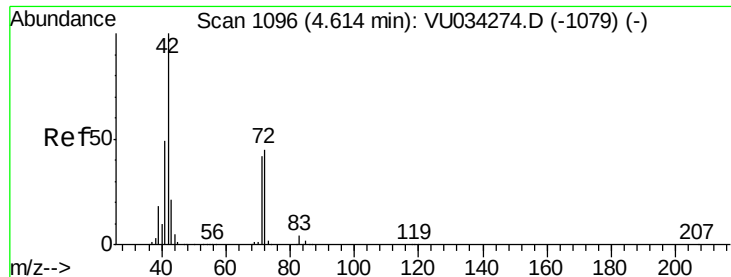


#28

Bromochloromethane
 Concen: 48.245 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	178510		
129	1.8	0.0	3.8	
130	81.1	65.2	97.8	





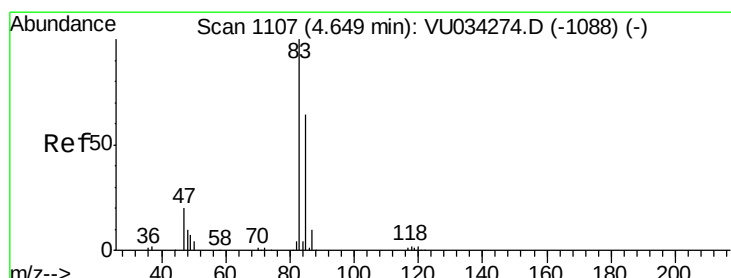
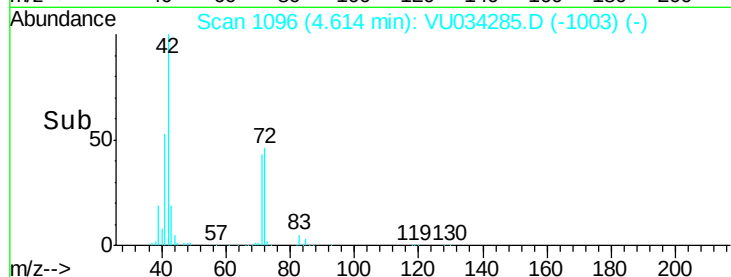
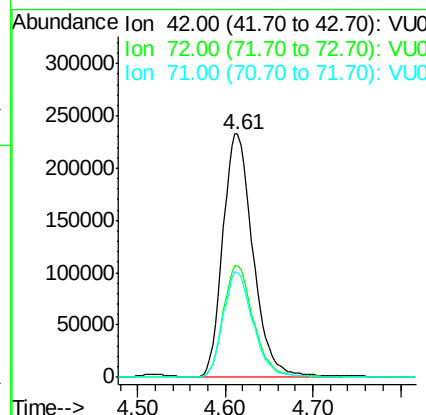
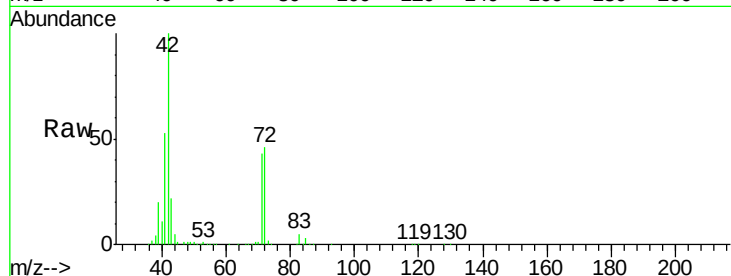
#29
Tetrahydrofuran
Concen: 263.397 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.6	54.8
71	42.9	34.3	51.5

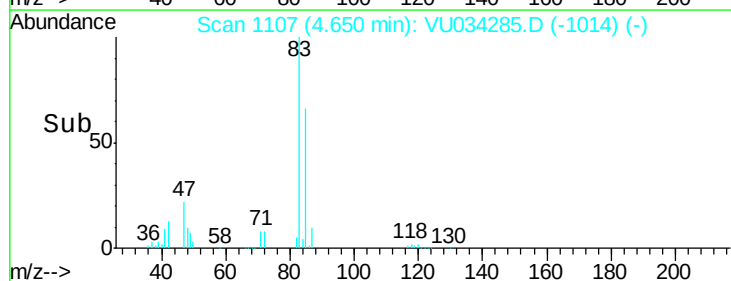
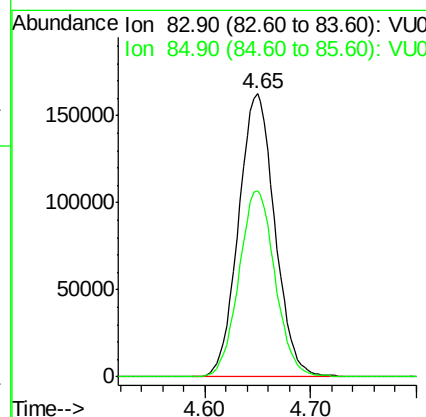
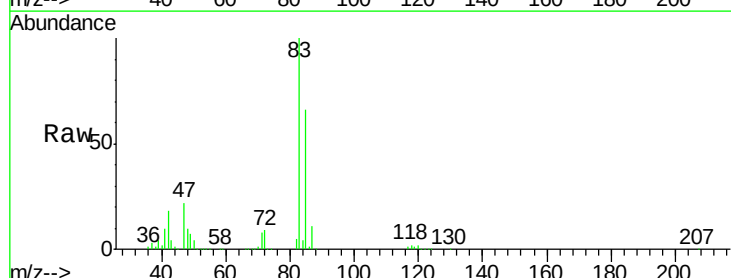
Manual Integrations
APPROVED

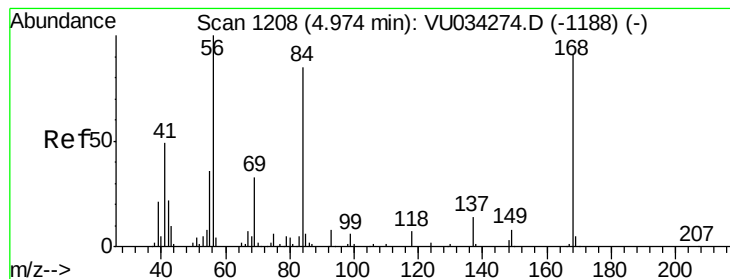
MMDadoda
9/6/2019 3:22:06 PM



#30
Chloroform
Concen: 47.462 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





#31

Cyclohexane

Concen: 49.729 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

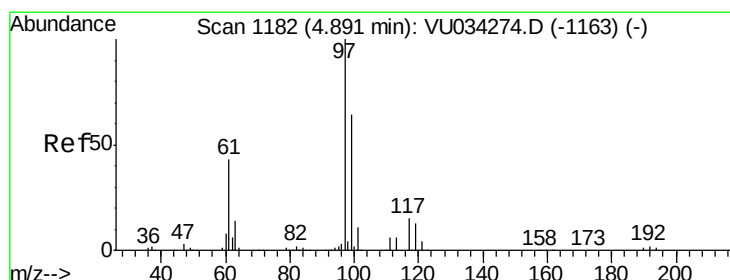
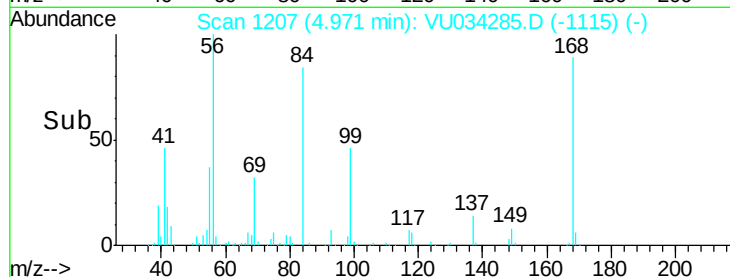
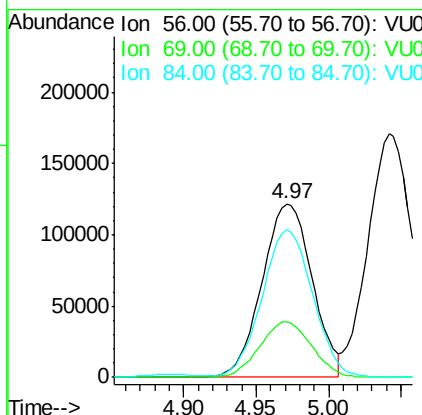
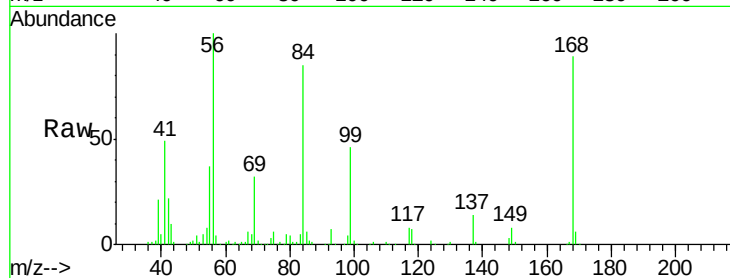
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	292661
Ion Ratio	Lower	Upper	
56	100		
69	32.4	26.7	40.1
84	83.9	68.2	102.4

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#32

1,1,1-Trichloroethane

Concen: 49.101 ug/l

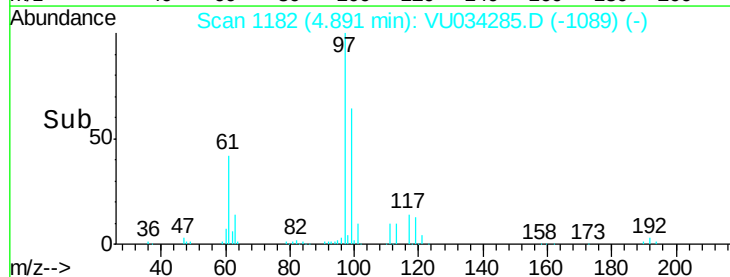
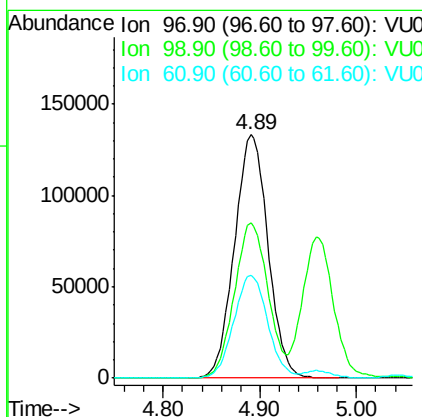
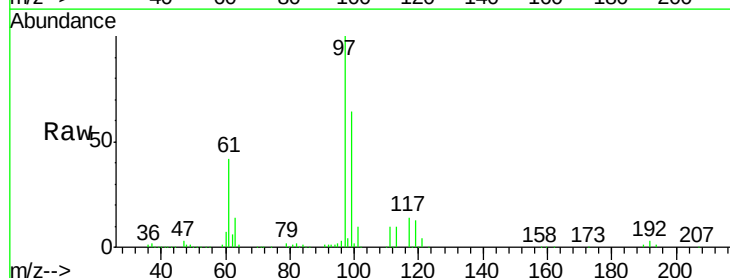
RT: 4.89 min Scan# 1182

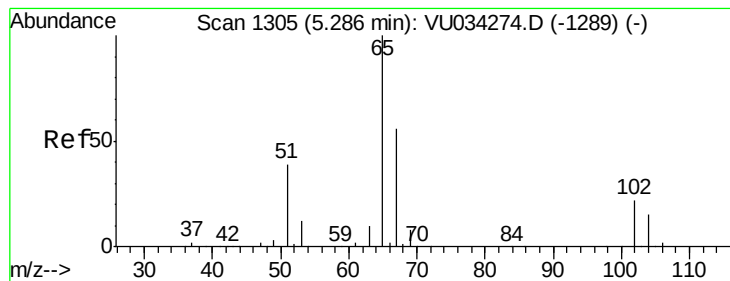
Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	97	Resp:	320998
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.9	76.3
61	42.8	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 51.121 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 256848

Ion Ratio Lower Upper

65 100

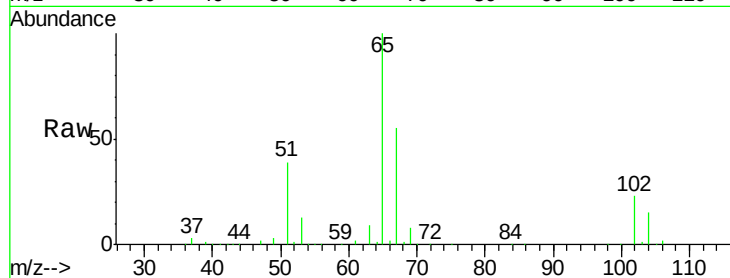
67 56.5 0.0 112.4

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 64.90 (64.60 to 65.60): VU034285.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034285.D (-1212) (-)

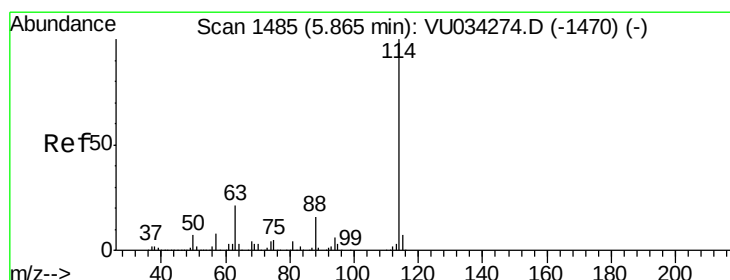
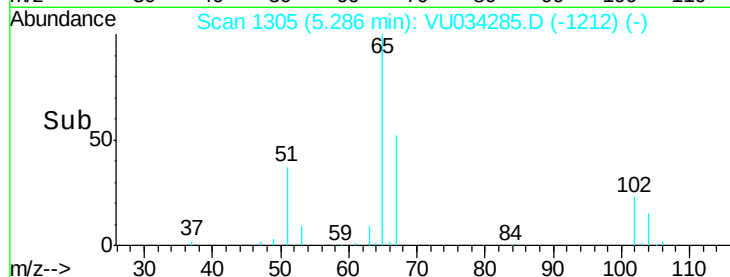
5.29

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

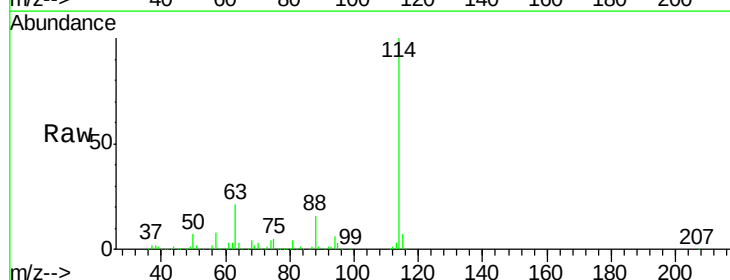
Tgt Ion: 114 Resp: 481900

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034285.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034285.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034285.D (-1392) (-)

5.86

300000

250000

200000

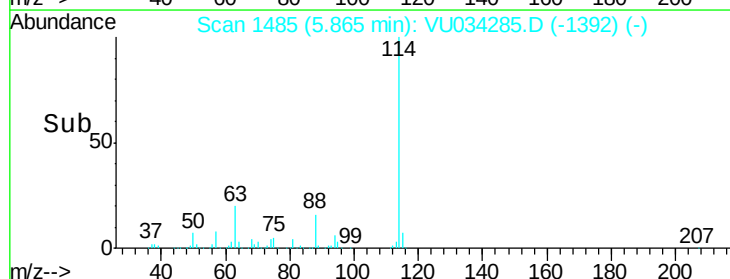
150000

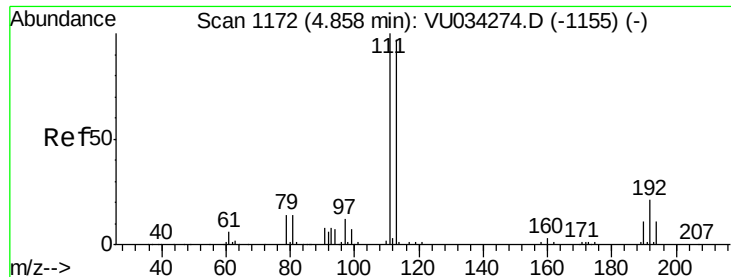
100000

50000

0

Time-->





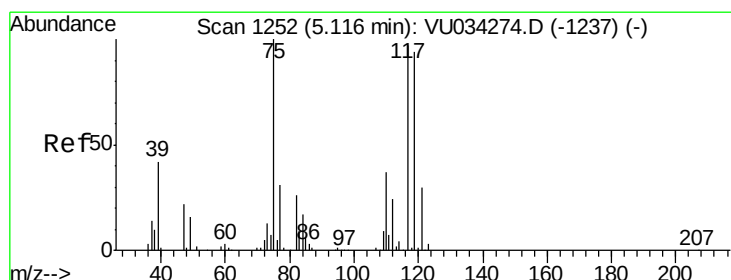
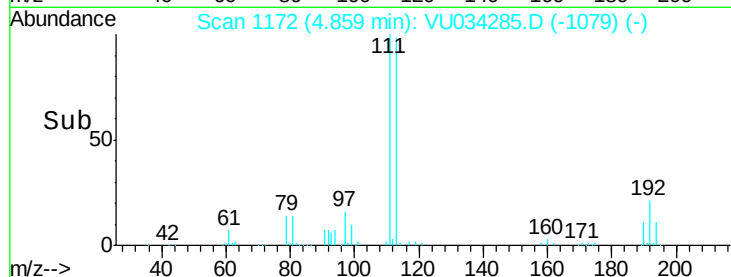
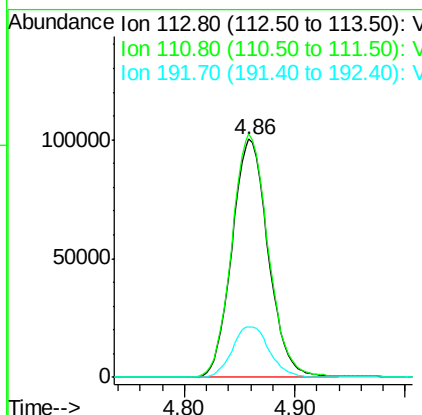
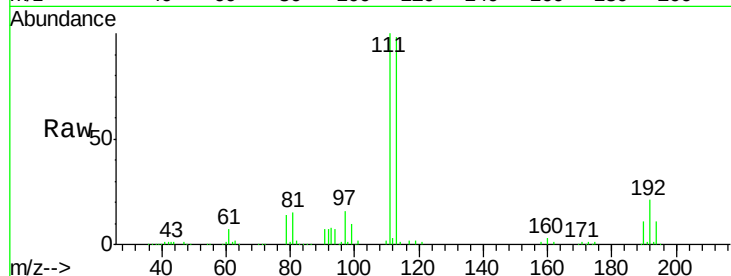
#35
 Dibromofluoromethane
 Concen: 50.715 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227411		
111	103.2	81.5	122.3	
192	22.0	17.8	26.8	

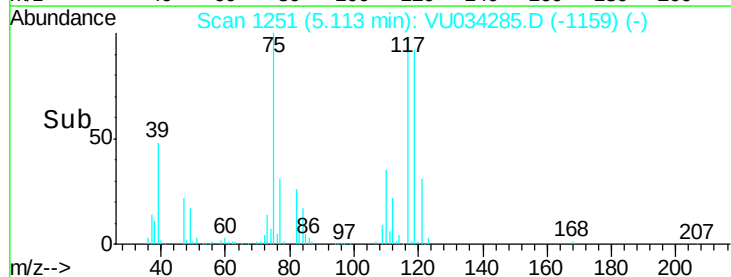
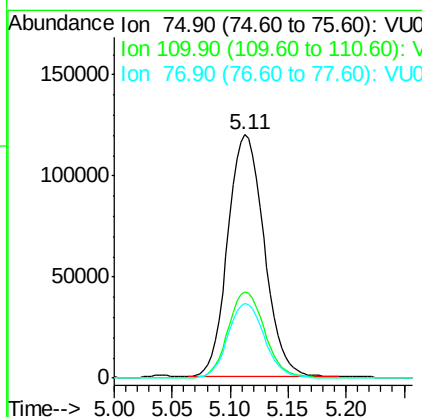
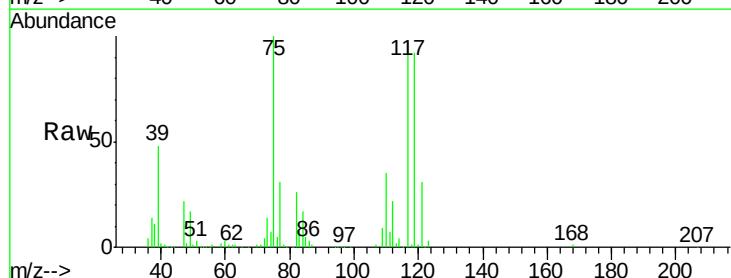
Manual Integrations
 APPROVED

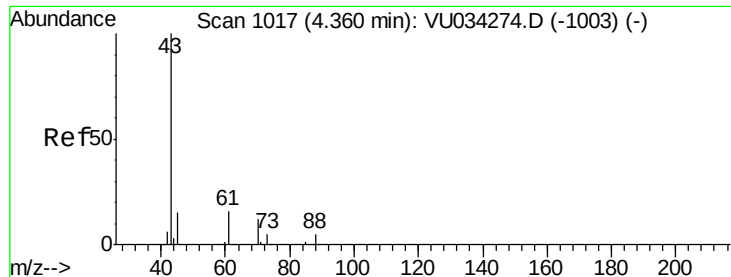
MMDadoda
 9/6/2019 3:22:06 PM



#36
 1,1-Dichloropropene
 Concen: 50.154 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262117		
110	36.1	18.3	54.9	
77	30.5	24.9	37.3	





#37

Ethyl Acetate

Concen: 52.106 ug/l

RT: 4.36 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

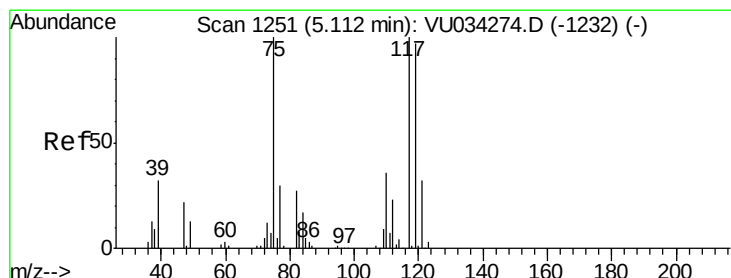
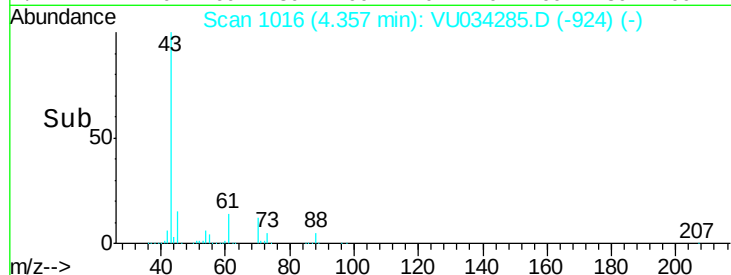
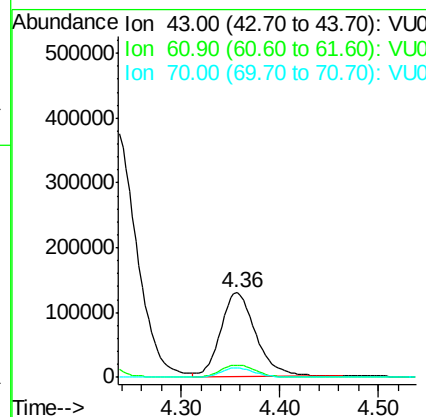
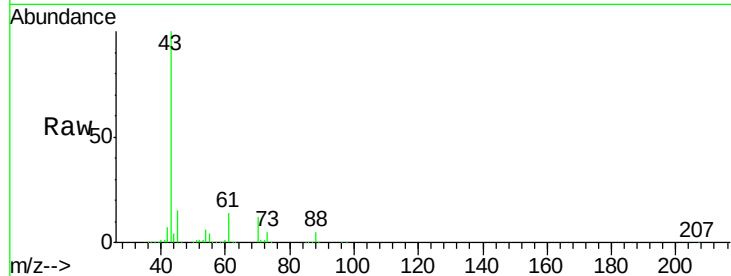
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	321971
Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.3	18.5
70	11.3	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#38

Carbon Tetrachloride

Concen: 48.959 ug/l

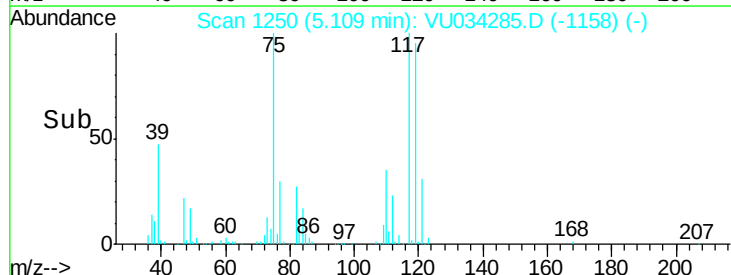
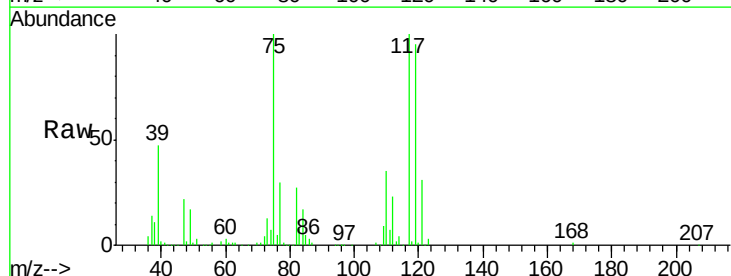
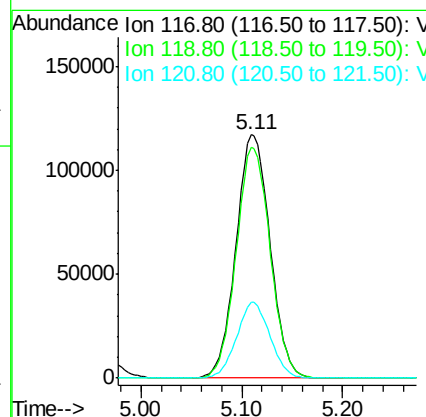
RT: 5.11 min Scan# 1250

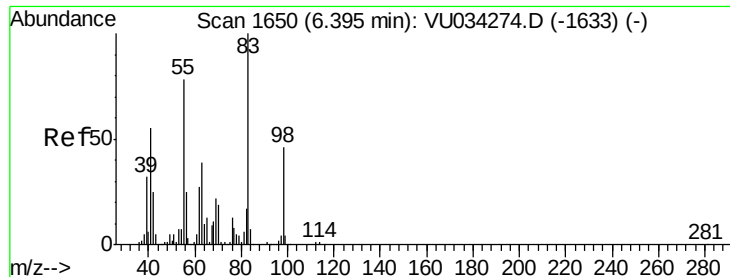
Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	117	Resp:	273202
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.6
121	31.2	25.2	37.8





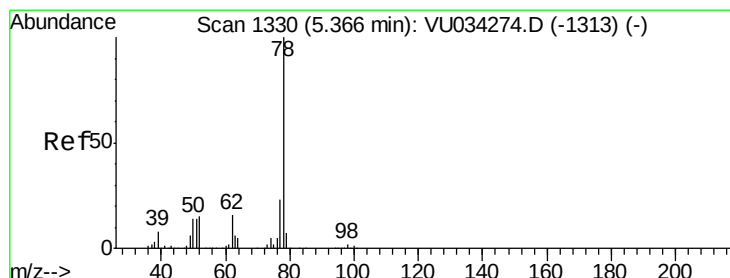
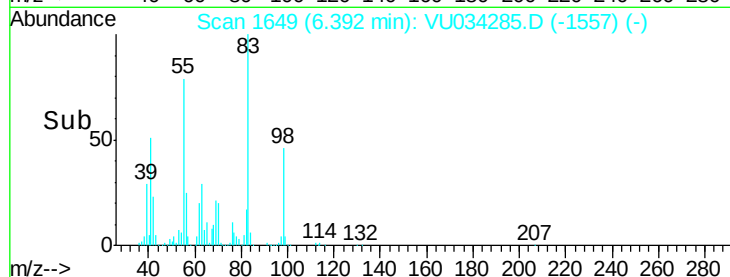
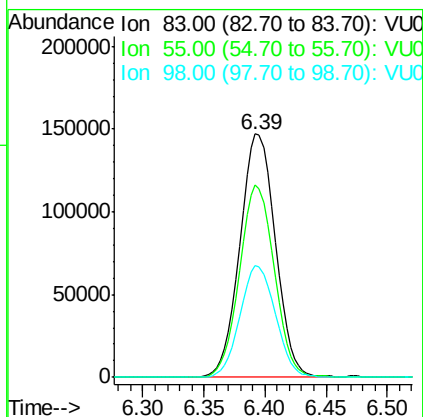
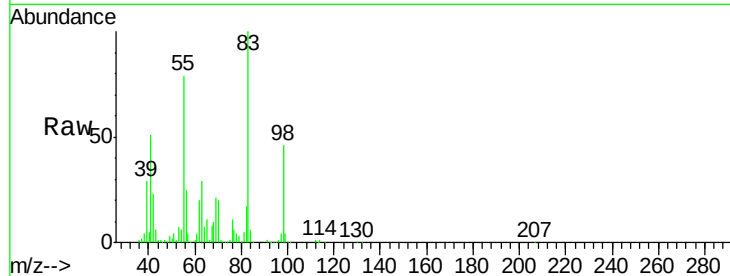
#39
Methylvlcyclohexane
Concen: 52.963 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295899		
55	78.8		62.1	93.1
98	46.1		37.0	55.6

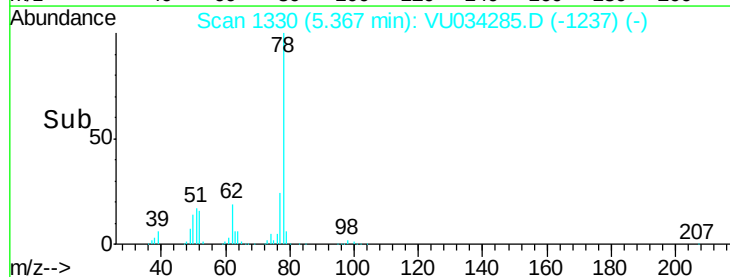
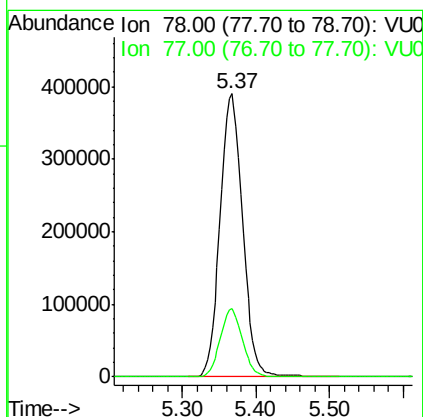
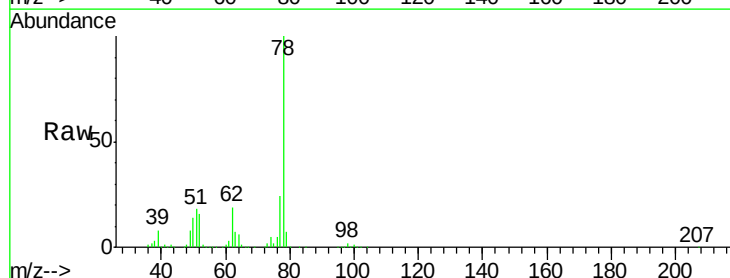
Manual Integrations
APPROVED

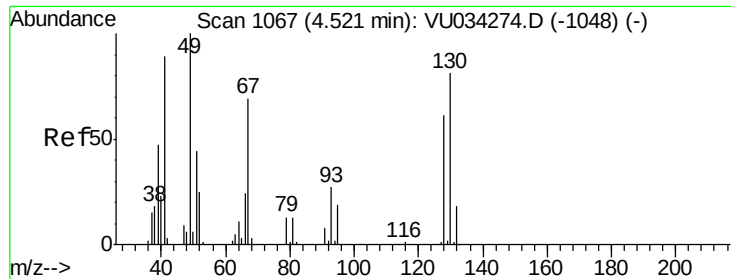
MMDadoda
9/6/2019 3:22:06 PM



#40
Benzene
Concen: 49.438 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	833723		
77	24.0		18.7	28.1





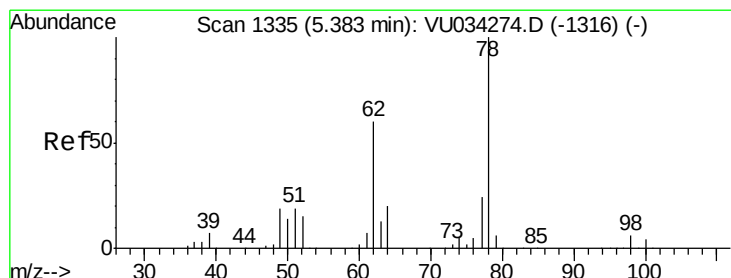
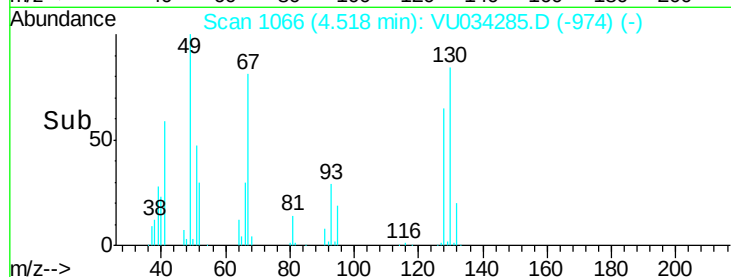
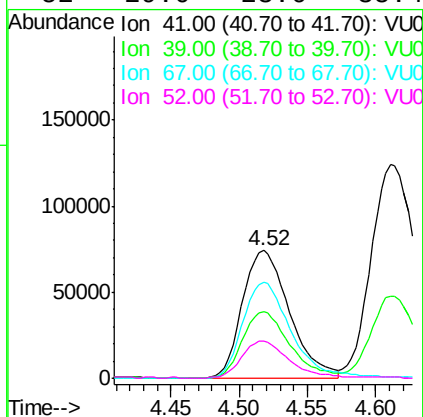
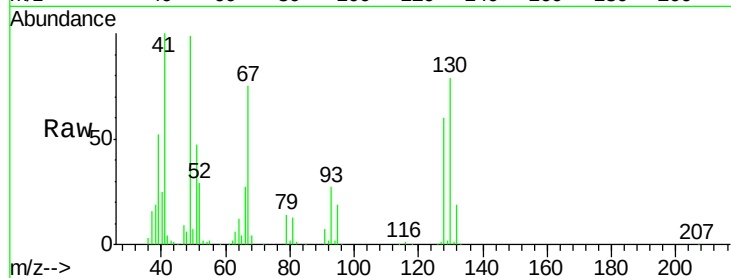
#41
Methacrylonitrile
Concen: 53.992 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	41.0	61.4	
67	77.9	62.4	93.6	
52	29.0	23.6	35.4	

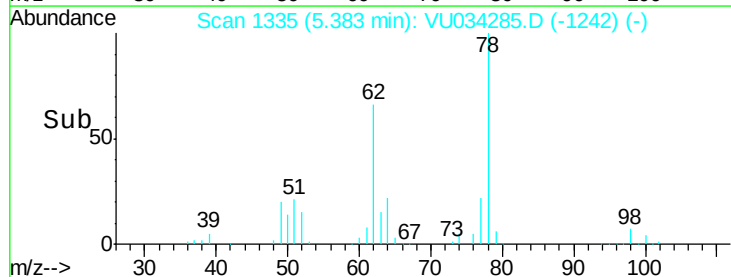
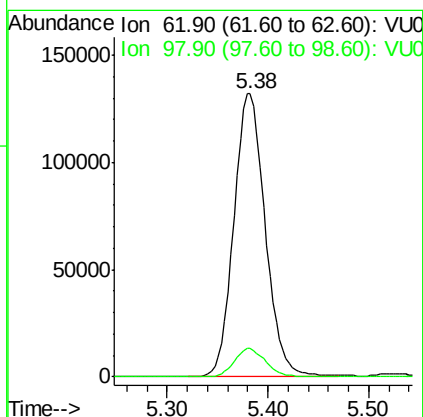
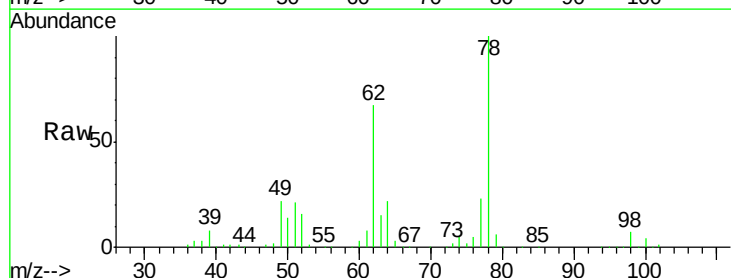
Manual Integrations
APPROVED

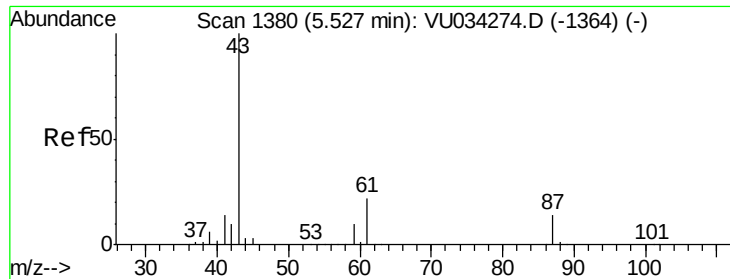
MMDadoda
9/6/2019 3:22:06 PM



#42
1,2-Dichloroethane
Concen: 48.782 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.0	





#43

Isopropyl Acetate

Concen: 52.204 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

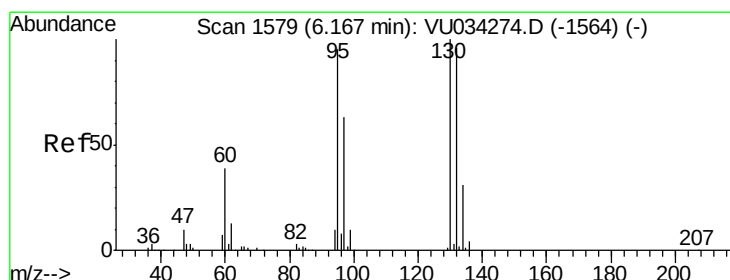
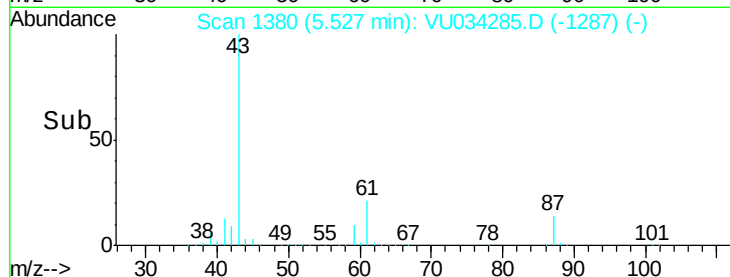
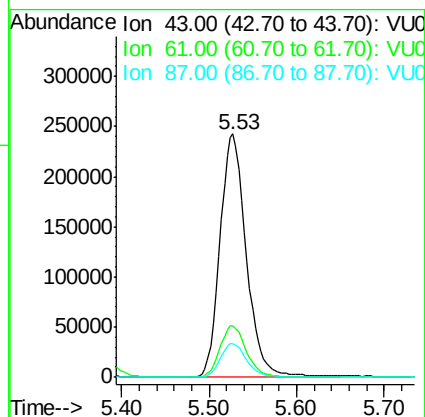
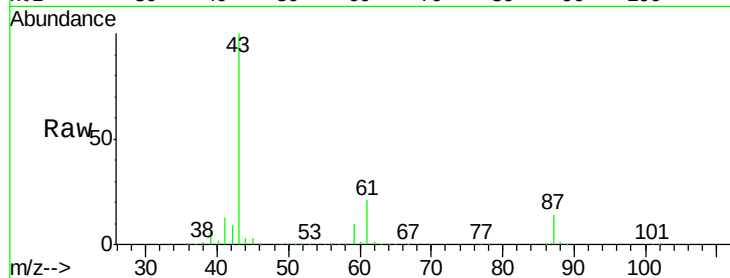
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	503218
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.1	25.7
87	14.0	11.1	16.7

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#44

Trichloroethene

Concen: 48.753 ug/l

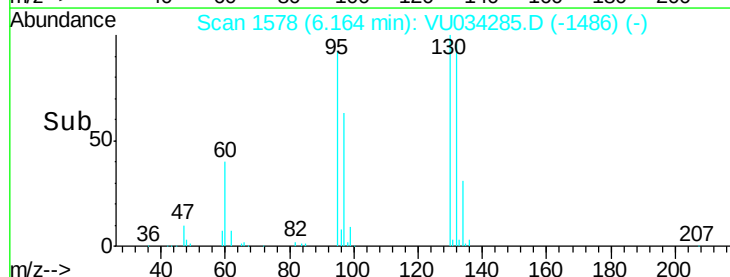
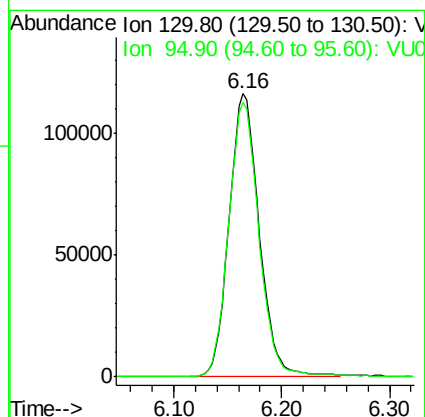
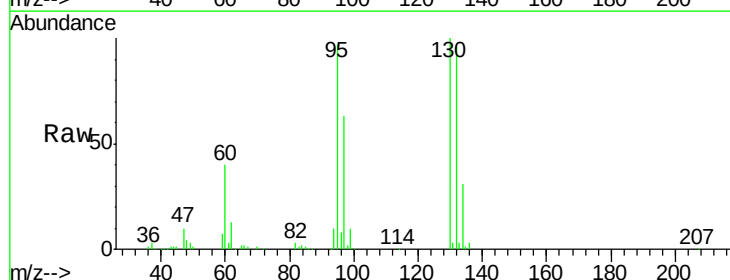
RT: 6.16 min Scan# 1578

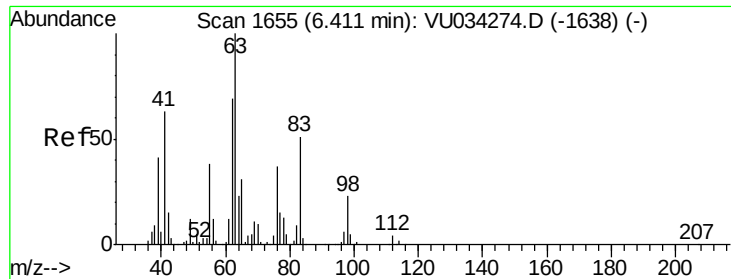
Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	130	Resp:	227508
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	189.2





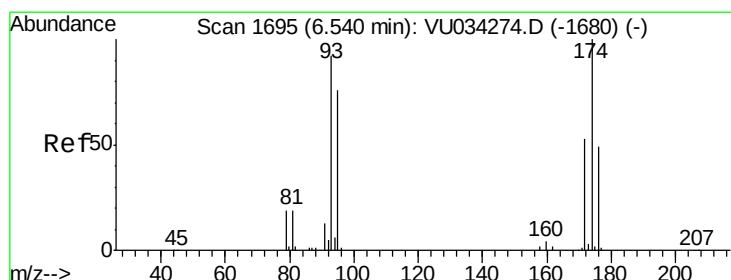
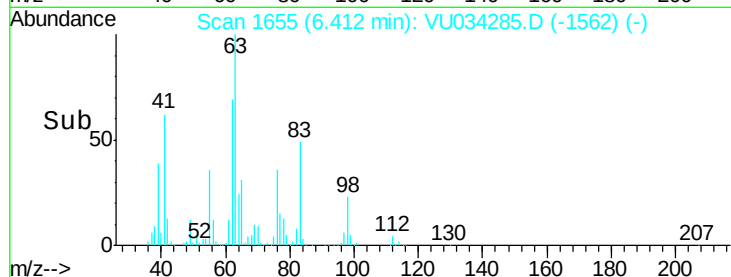
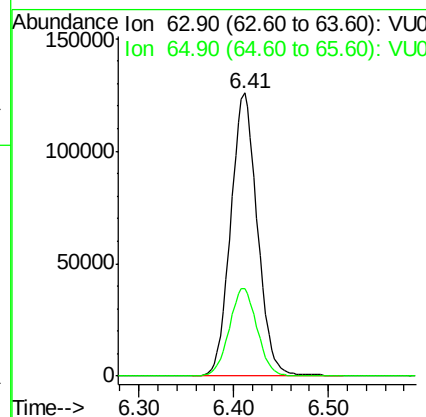
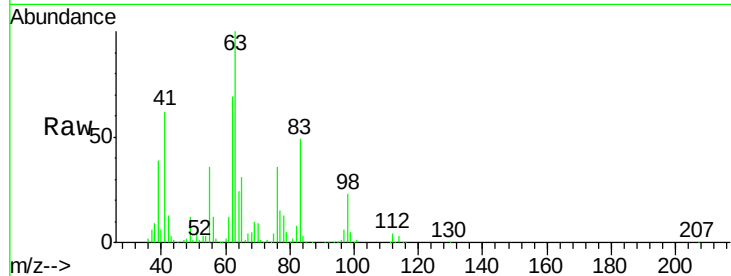
#45
 1,2-Dichloropropane
 Concen: 49.998 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

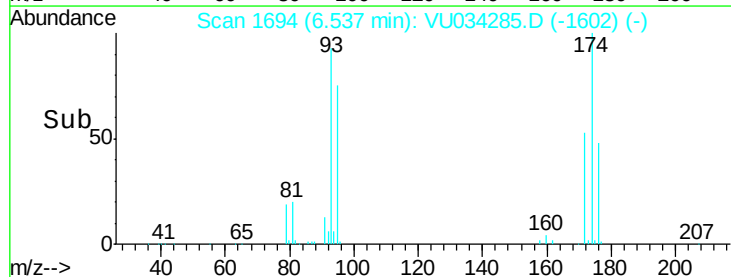
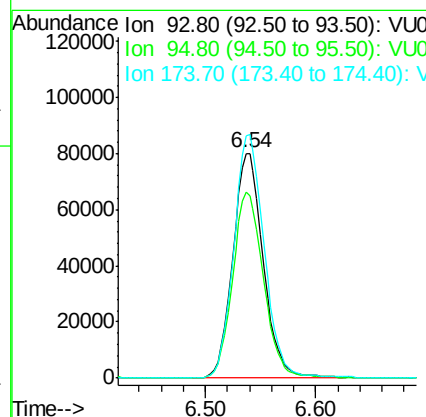
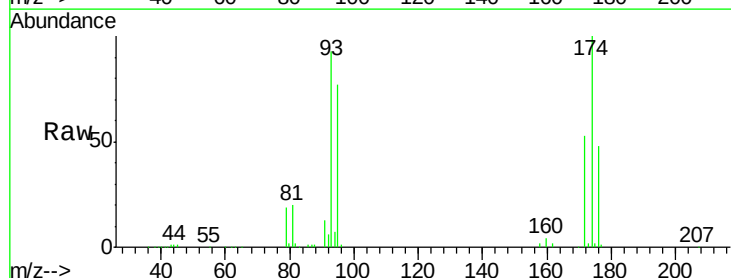
Manual Integrations
 APPROVED

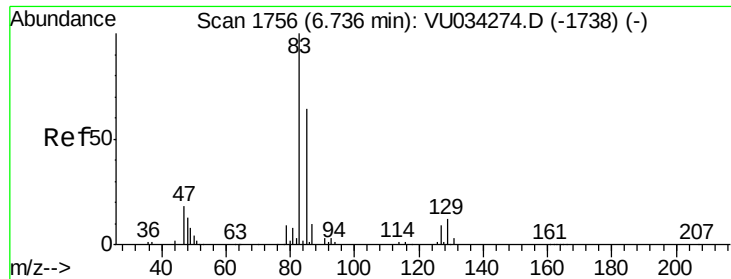
MMDadoda
 9/6/2019 3:22:06 PM



#46
 Dibromomethane
 Concen: 49.507 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.5	99.7
174	107.9	87.8	131.6





#47

Bromodichloromethane

Concen: 49.247 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

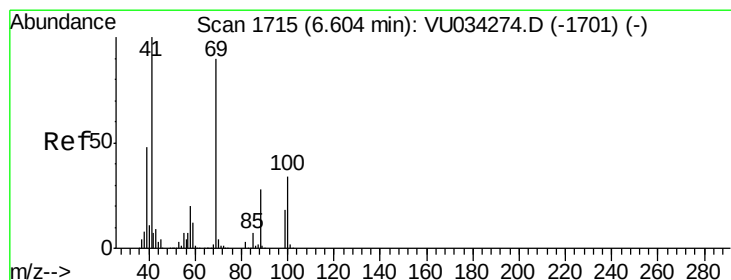
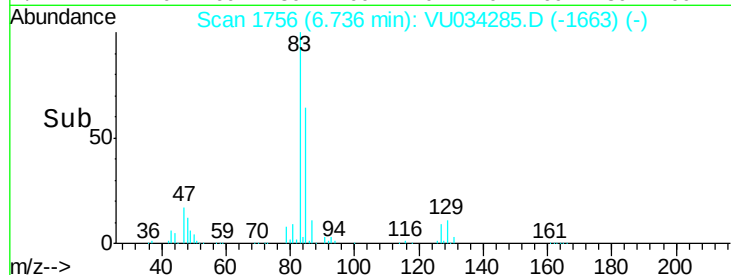
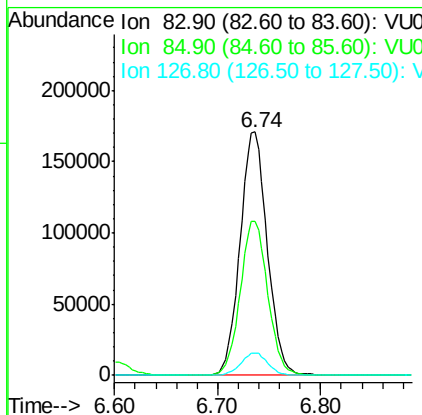
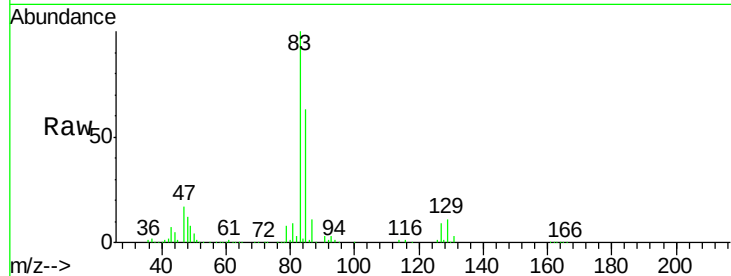
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	313702
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	9.3	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#48

Methyl methacrylate

Concen: 51.789 ug/l

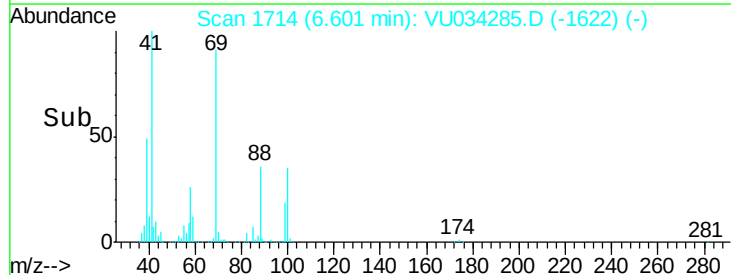
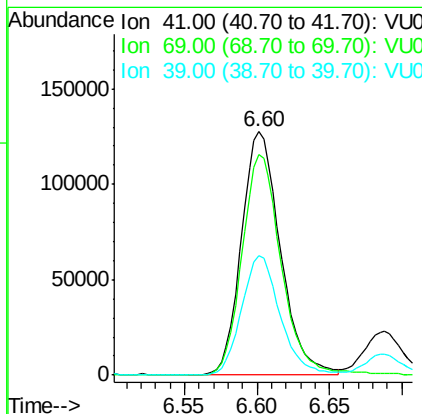
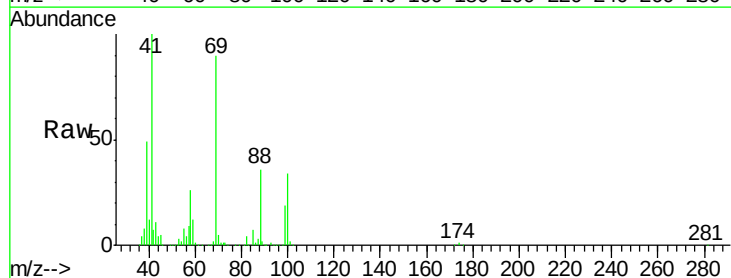
RT: 6.60 min Scan# 1714

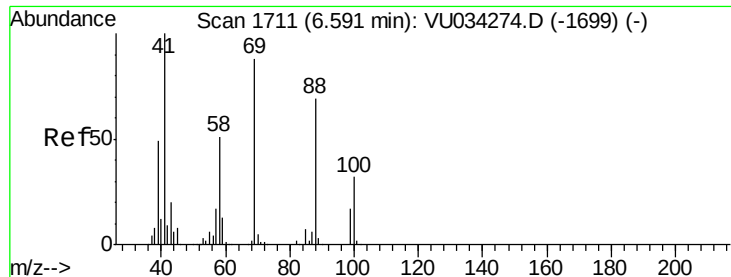
Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	41	Resp:	237107
Ion	Ratio	Lower	Upper
41	100		
69	92.1	72.8	109.2
39	48.3	38.6	58.0





#49

1,4-Dioxane

Concen: 1114.293 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

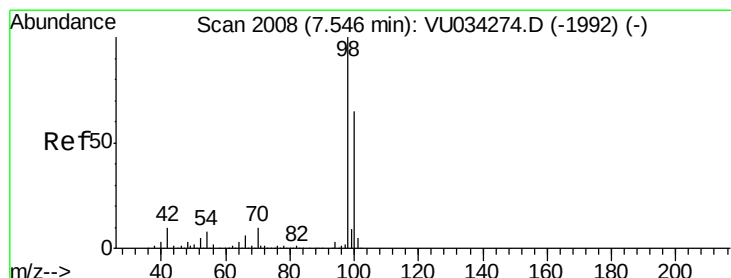
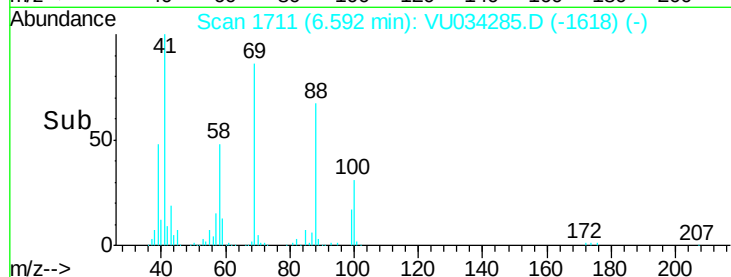
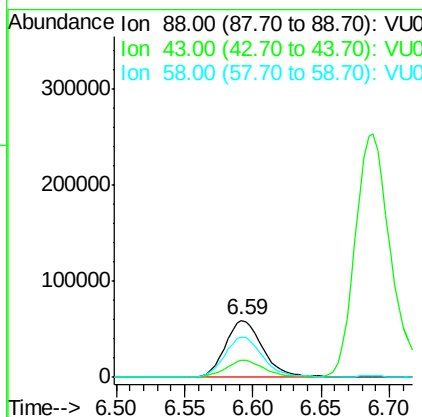
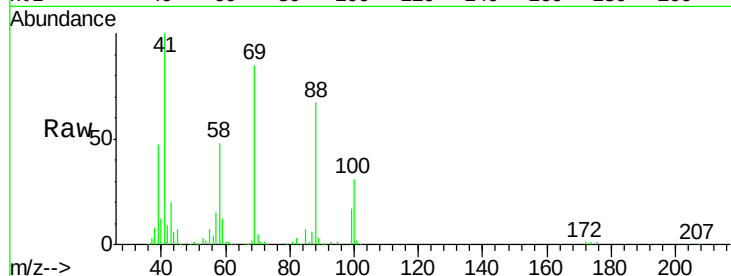
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	111400
Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.8	35.6
58	73.0	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#50

Toluene-d8

Concen: 53.231 ug/l

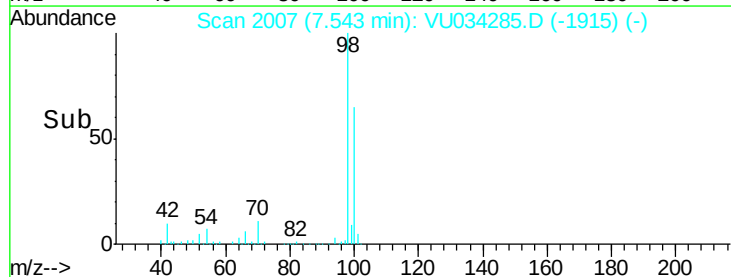
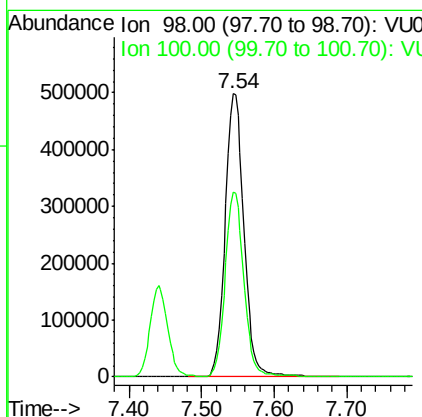
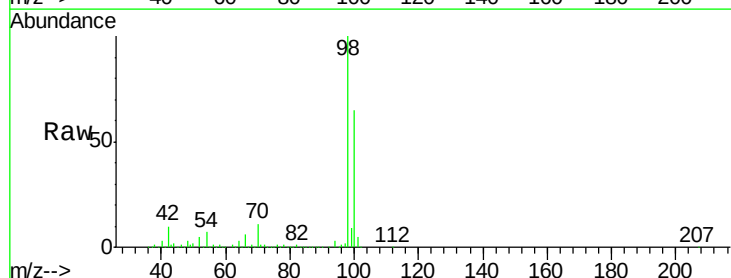
RT: 7.54 min Scan# 2007

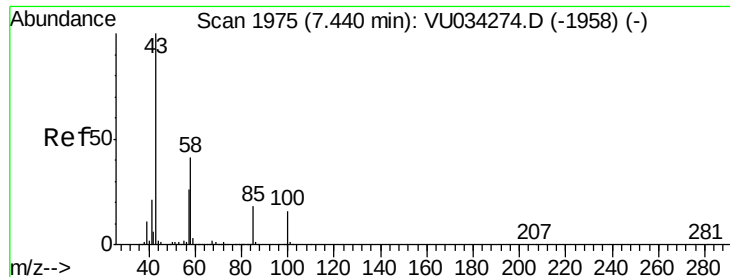
Delta R.T. -0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	98	Resp:	896767
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 256.599 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1712121

Ion Ratio Lower Upper

43 100

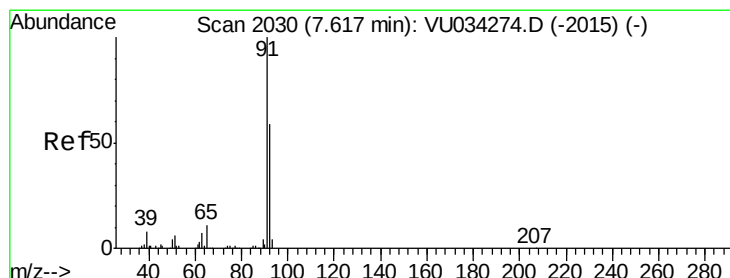
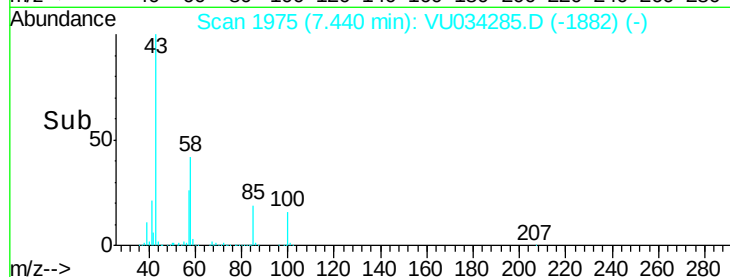
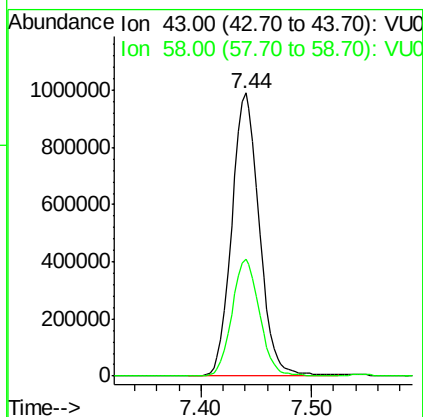
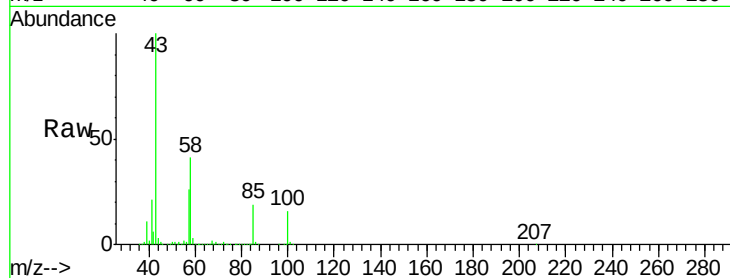
58 41.5 33.0 49.4

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



#52

Toluene

Concen: 50.978 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034285.D

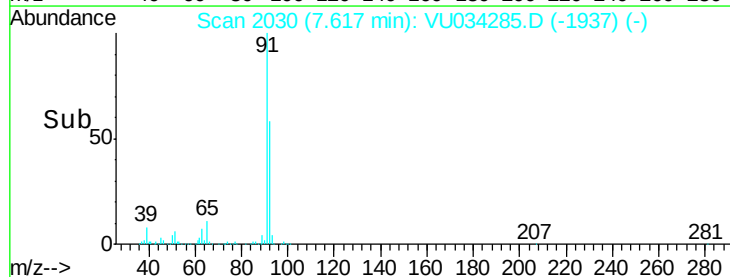
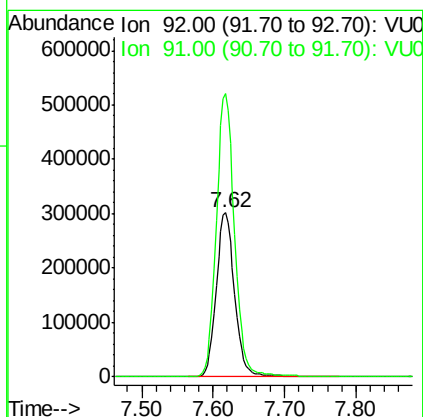
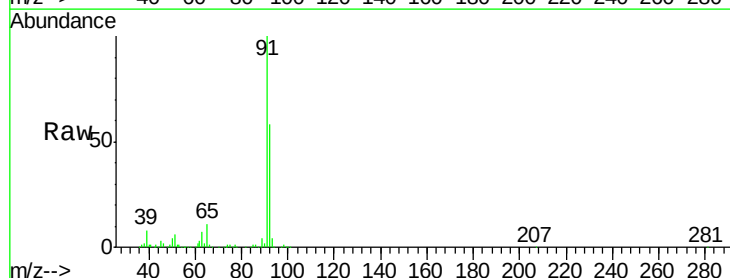
Acq: 05 Sep 2019 15:49

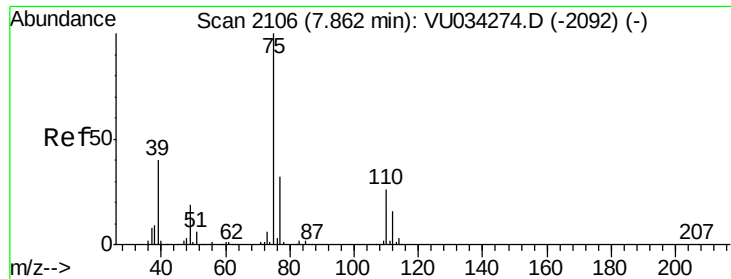
Tgt Ion: 92 Resp: 539282

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0





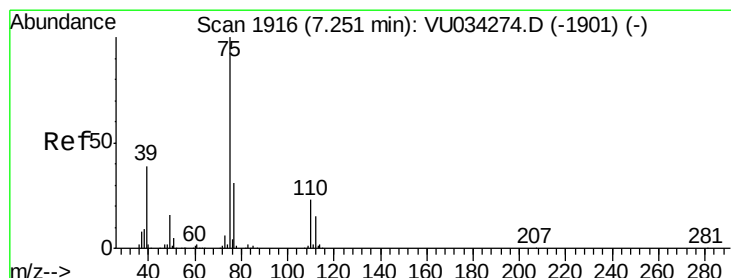
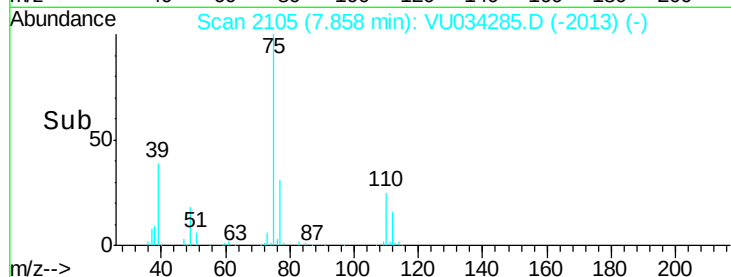
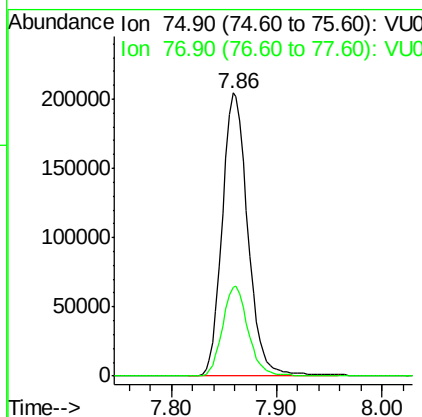
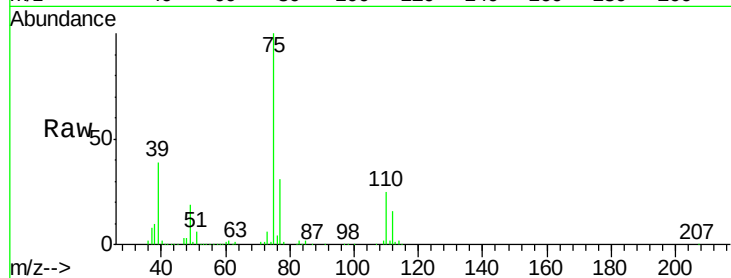
#53
 t-1,3-Dichloropropene
 Concen: 52.212 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

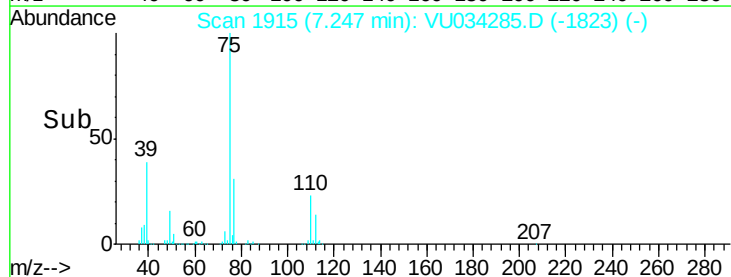
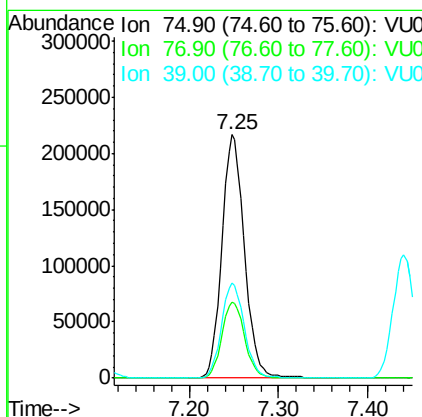
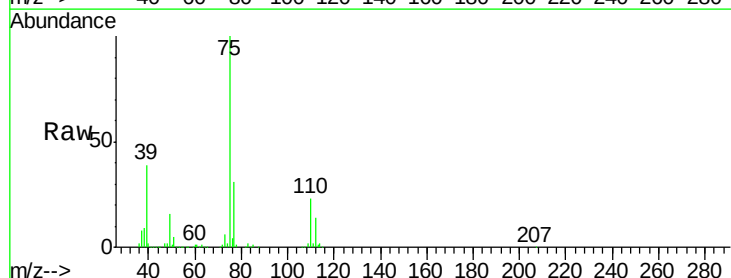
Manual Integrations
 APPROVED

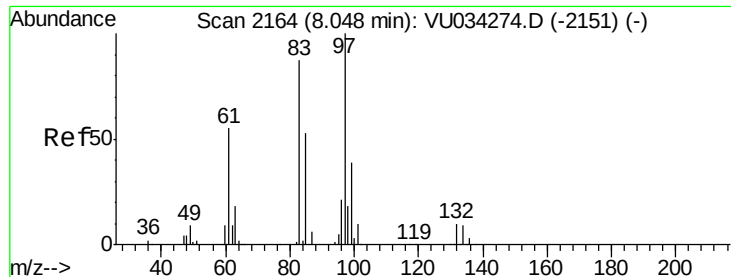
MMDadoda
 9/6/2019 3:22:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.353 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	39.2	31.2	46.8





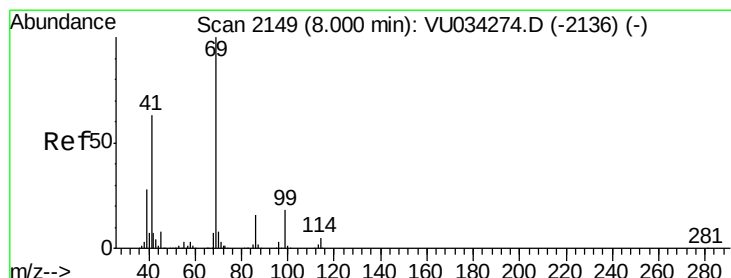
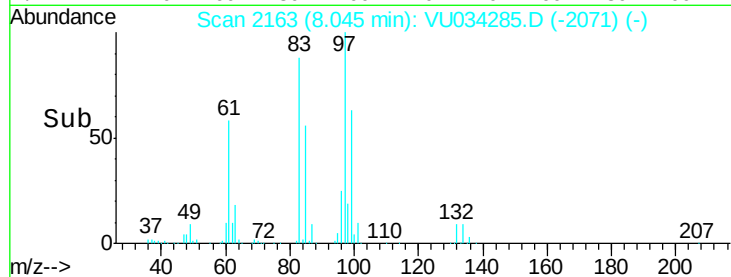
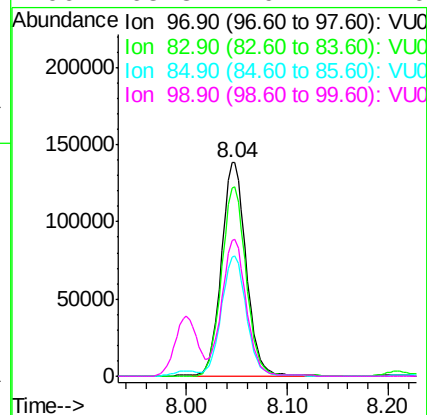
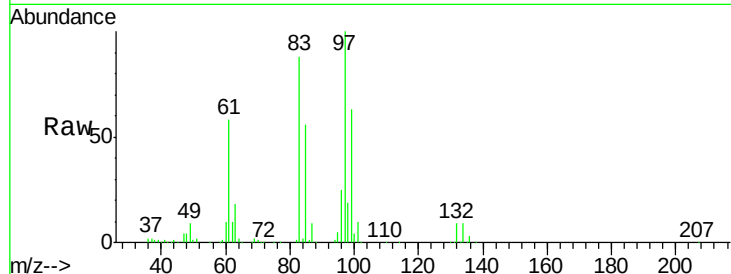
#55
 1,1,2-Trichloroethane
 Concen: 48.852 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		234665		
83	88.4	69.0	103.6		
85	55.6	44.2	66.2		
99	63.3	49.4	74.0		

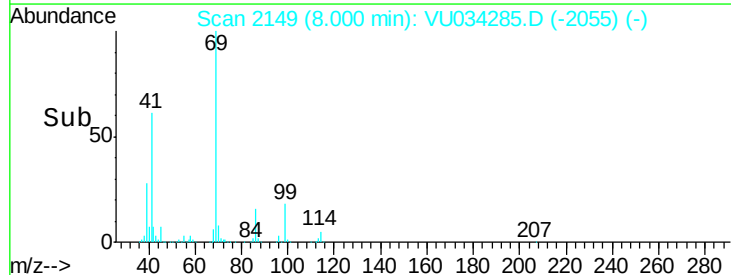
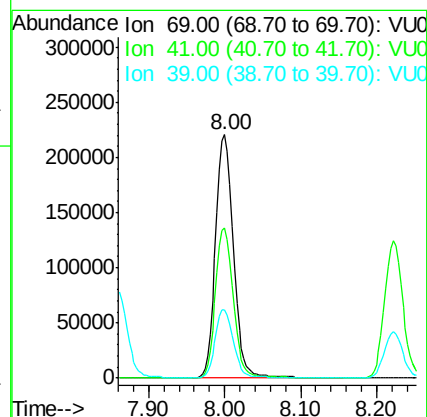
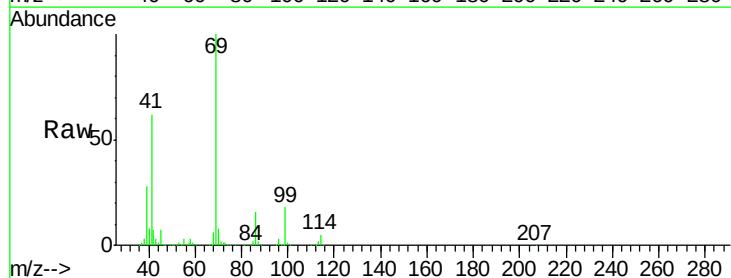
Manual Integrations
 APPROVED

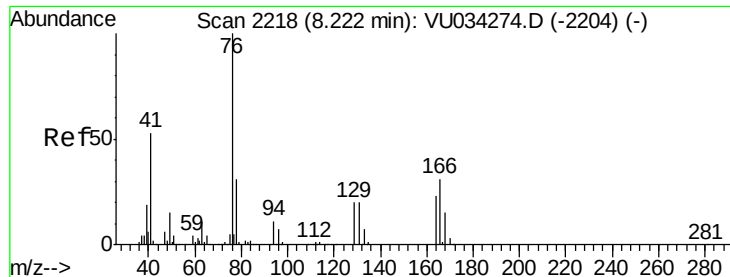
MMDadoda
 9/6/2019 3:22:06 PM



#56
 Ethyl methacrylate
 Concen: 49.465 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		360739		
41	61.1	49.5	74.3		
39	28.2	22.5	33.7		





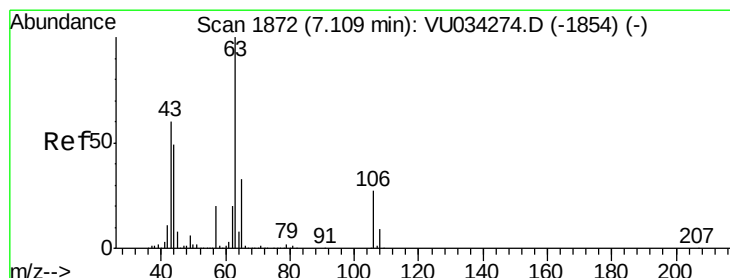
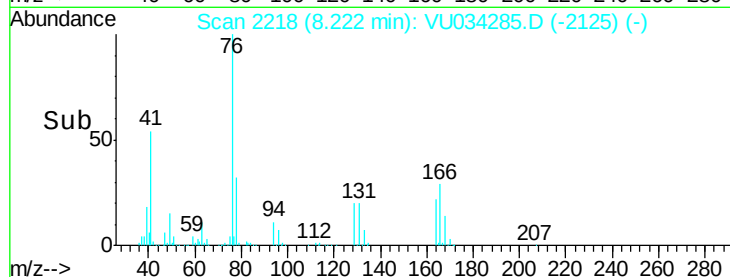
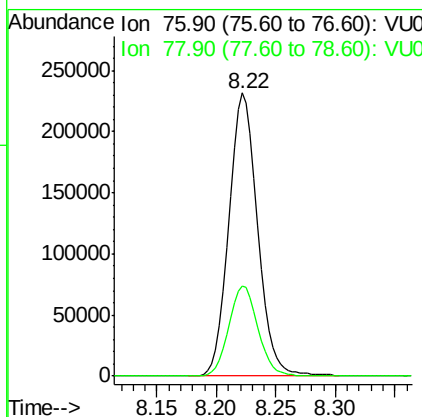
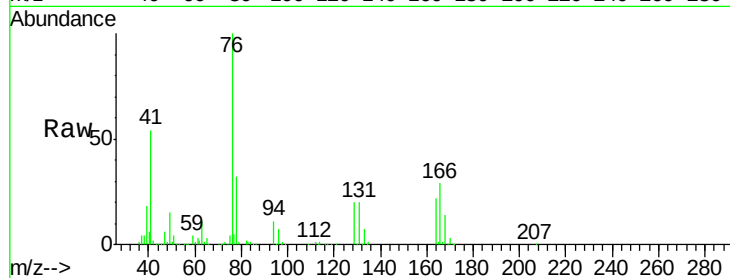
#57
 1,3-Dichloropropane
 Concen: 49.663 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.2

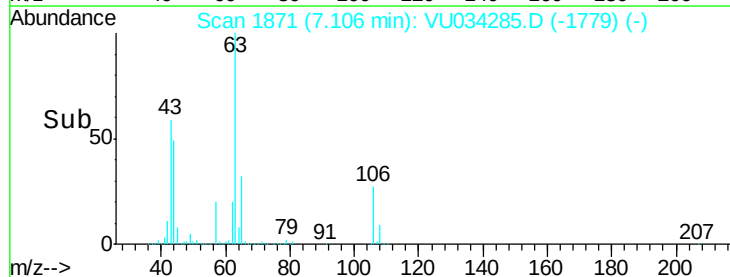
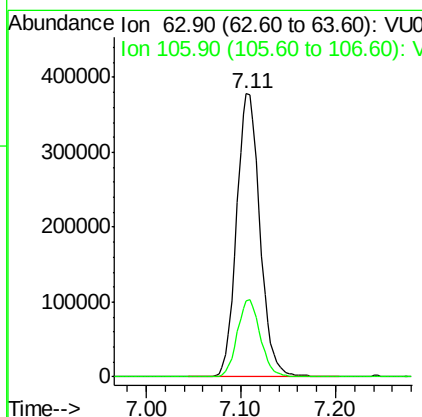
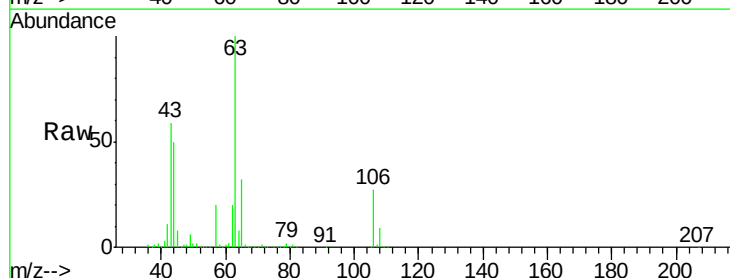
Manual Integrations
 APPROVED

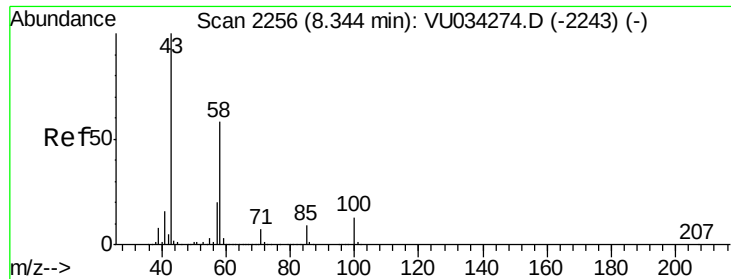
MMDadoda
 9/6/2019 3:22:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.673 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





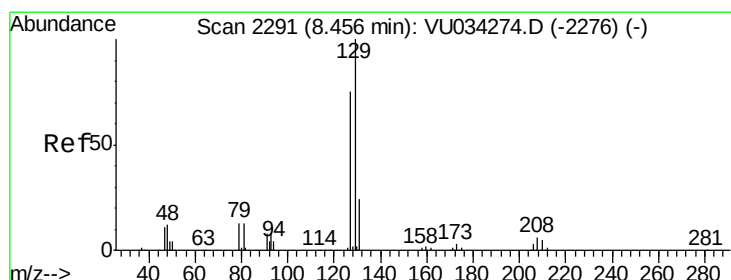
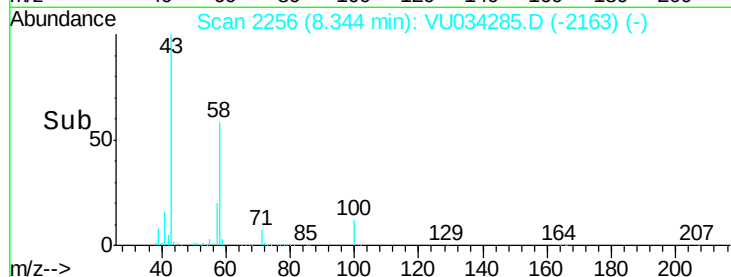
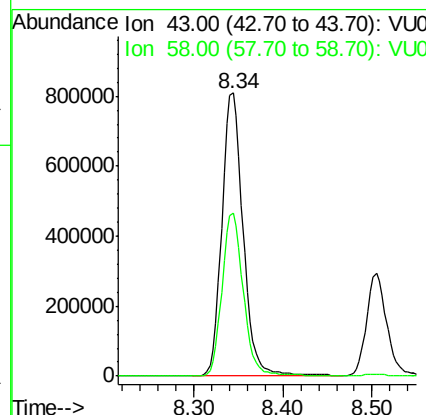
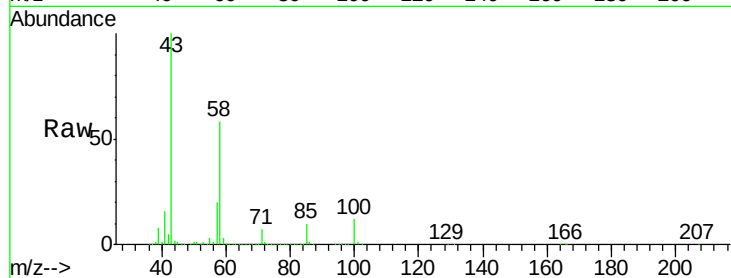
#59
2-Hexanone
Concen: 267.470 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1333232
Ion Ratio Lower Upper
43 100
58 58.0 28.8 86.5

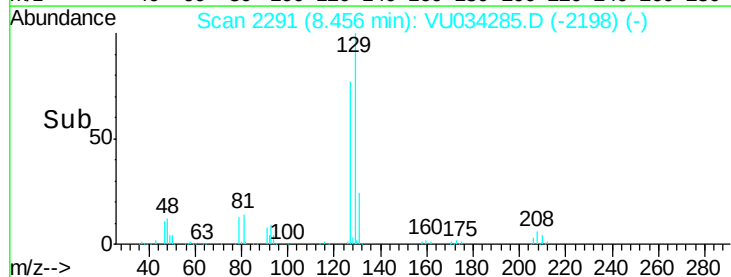
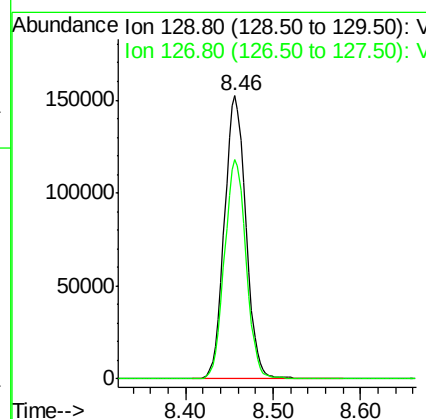
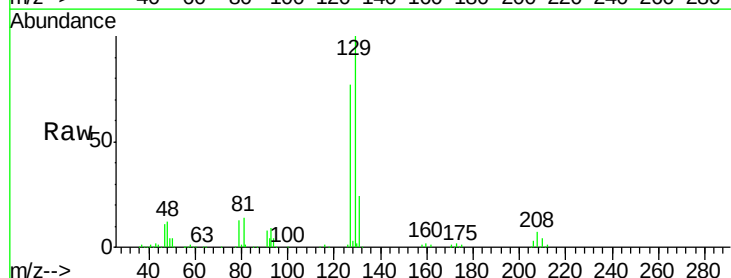
Manual Integrations
APPROVED

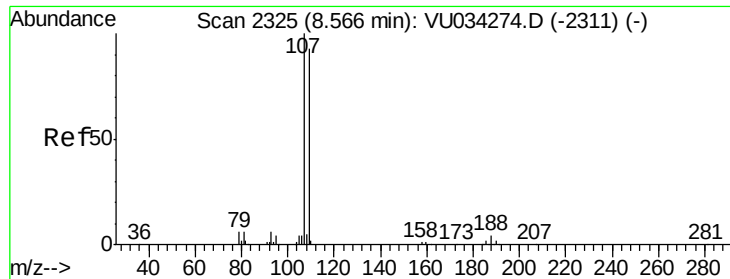
MMDadoda
9/6/2019 3:22:06 PM



#60
Dibromochloromethane
Concen: 50.607 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion: 129 Resp: 260744
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.7





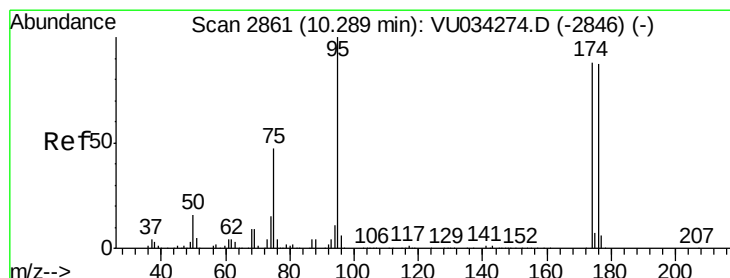
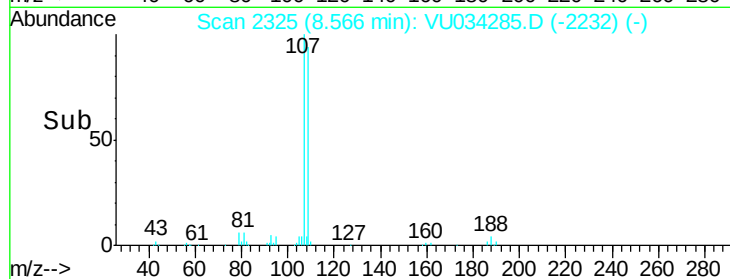
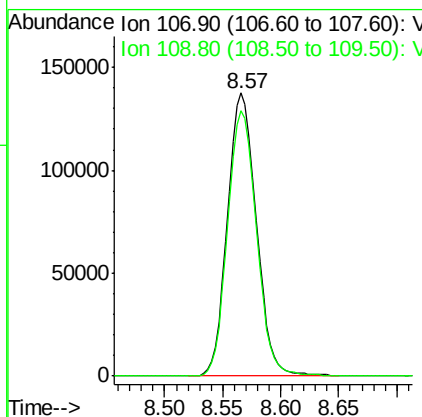
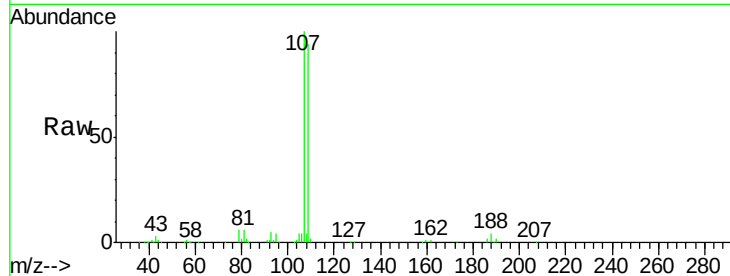
#61
 1,2-Dibromoethane
 Concen: 50.279 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	236393		
109	94.3	75.0	112.6	

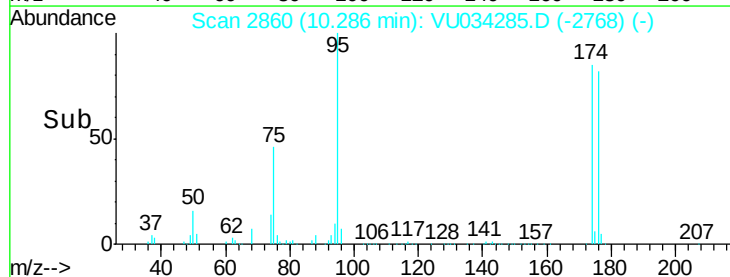
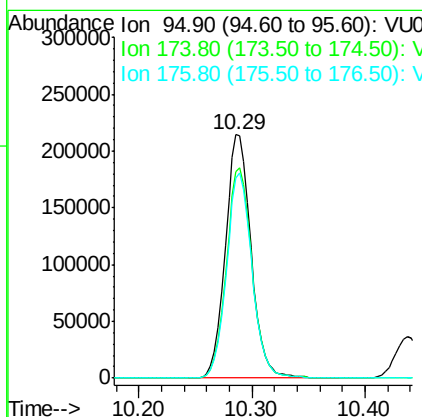
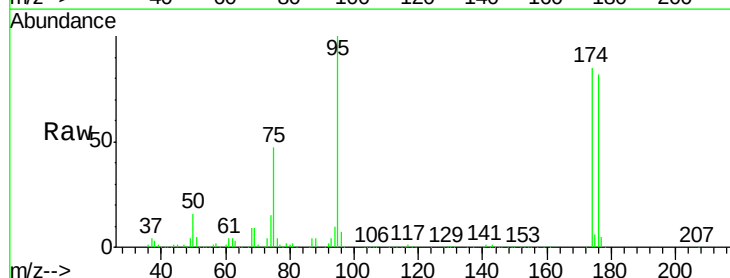
Manual Integrations
 APPROVED

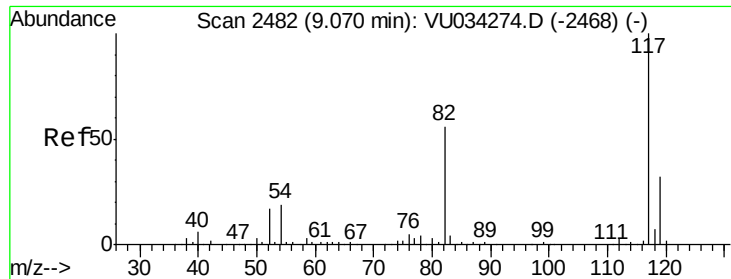
MMDadoda
 9/6/2019 3:22:06 PM



#62
 4-Bromofluorobenzene
 Concen: 51.965 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	338004		
174	86.5	0.0	175.2	
176	83.7	0.0	168.0	





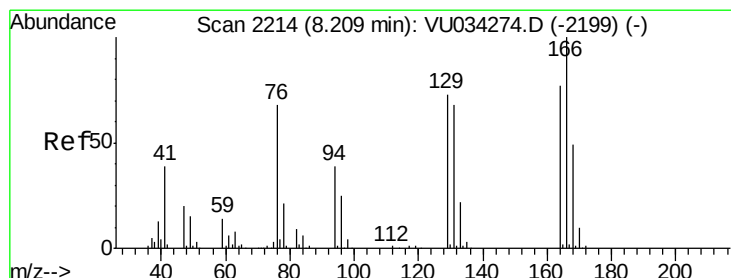
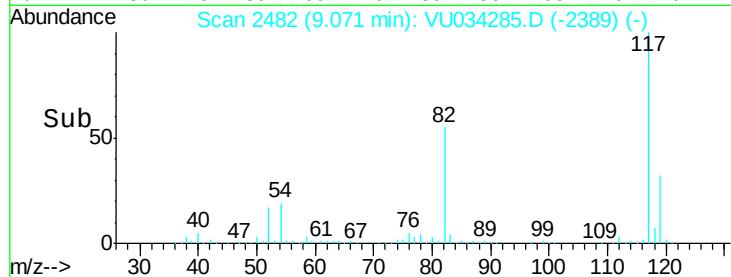
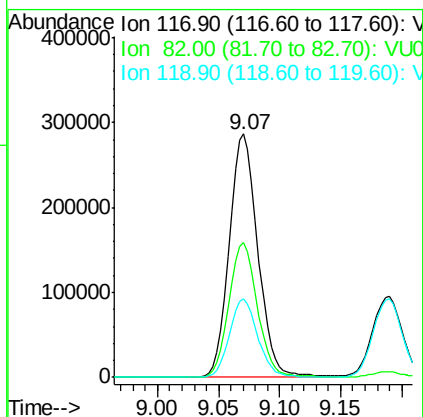
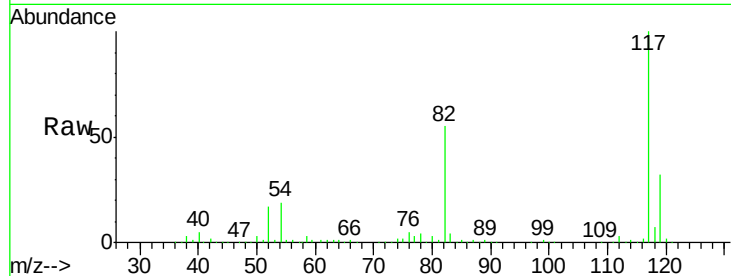
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.6	67.0
119	32.1	25.9	38.9

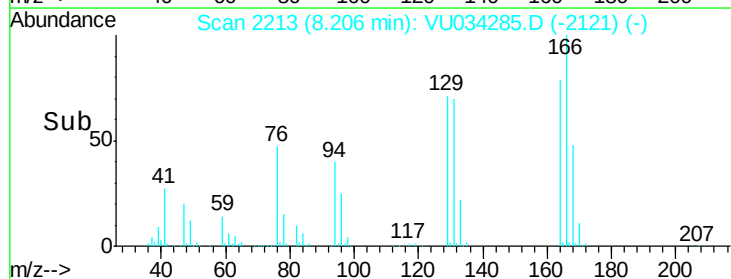
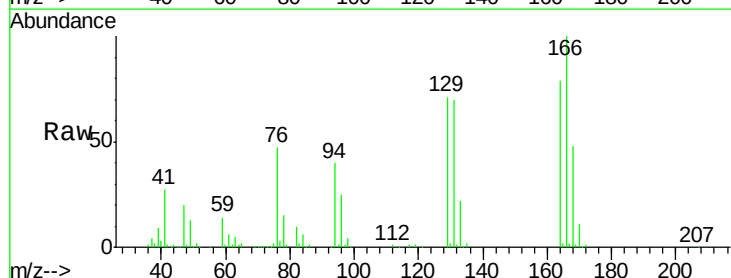
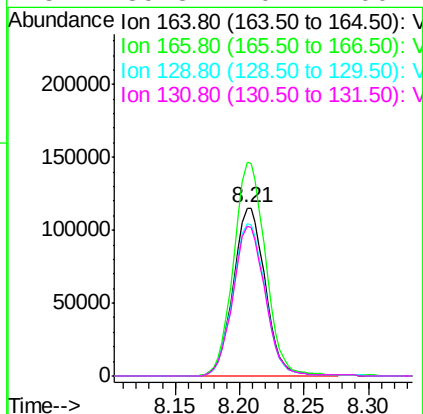
Manual Integrations
APPROVED

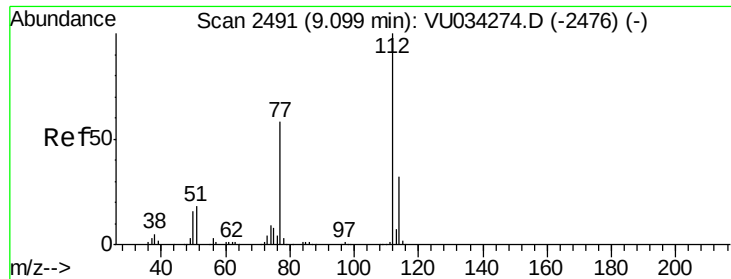
MMDadoda
9/6/2019 3:22:06 PM



#64
Tetrachloroethene
Concen: 48.613 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.7	155.5
129	90.7	75.8	113.8
131	89.3	70.7	106.1





#65

Chlorobenzene

Concen: 50.901 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 608677

Ion Ratio Lower Upper

112 100

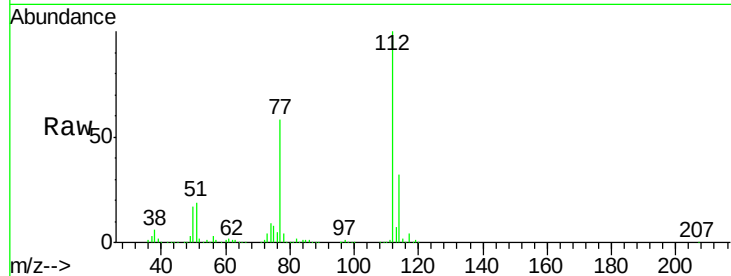
114 32.4 25.9 38.9

Manual Integrations

APPROVED

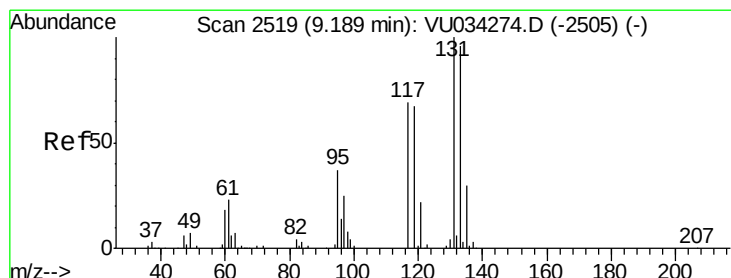
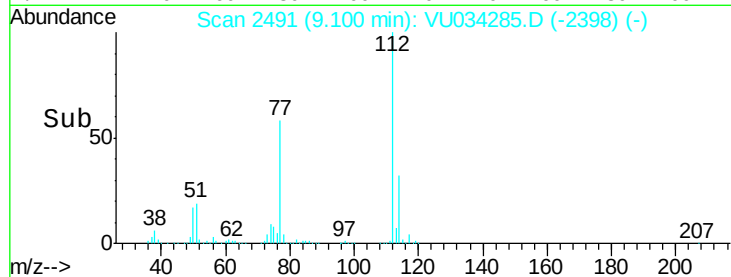
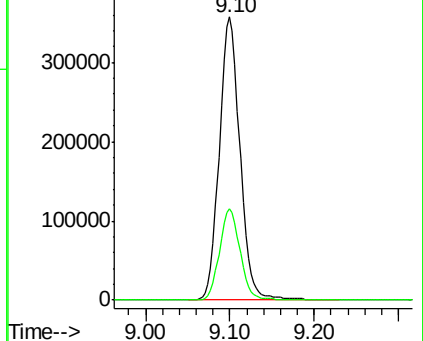
MMDadoda

9/6/2019 3:22:06 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.461 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

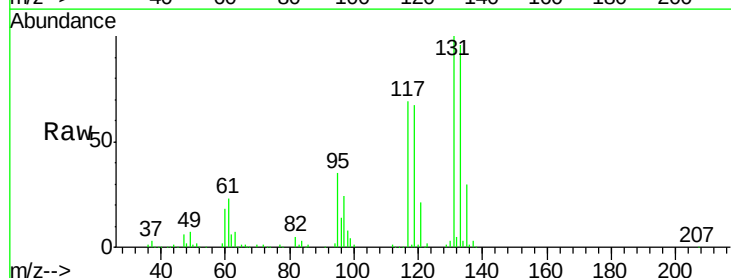
Tgt Ion:131 Resp: 230284

Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.7

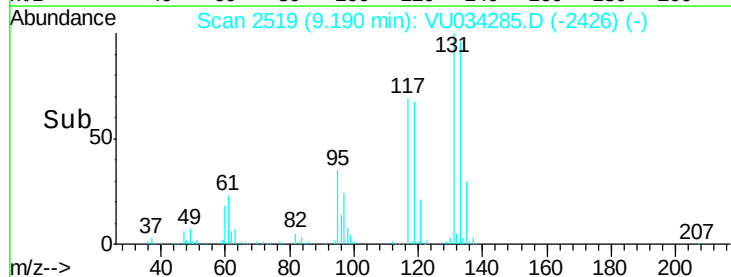
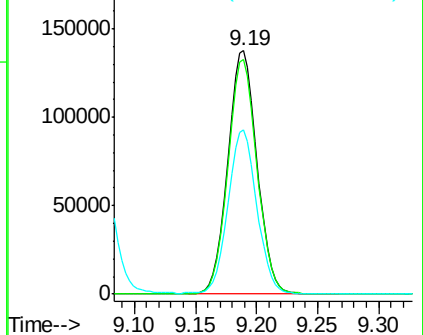
119 66.2 33.1 99.5

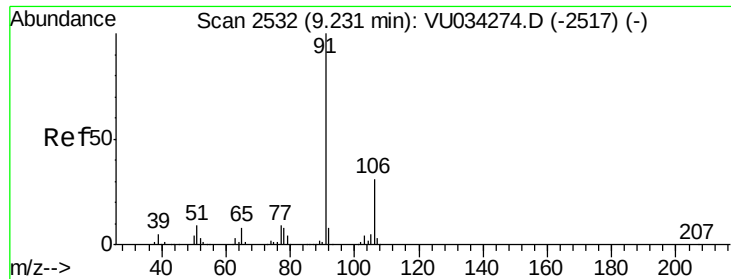


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.591 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tot Ion: 91 Resp: 1047810

Ion Ratio Lower Upper

91 100

106 31.4 24.8 37.2

Instrument :

MSVOA_U

ClientSampleId :

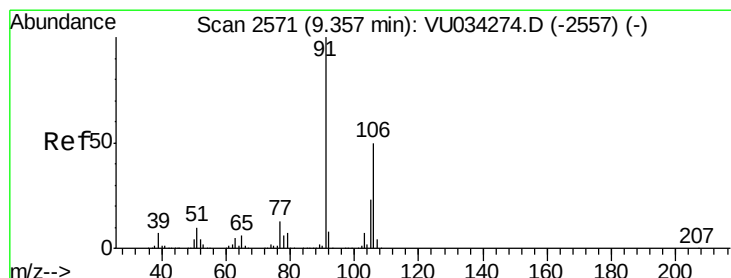
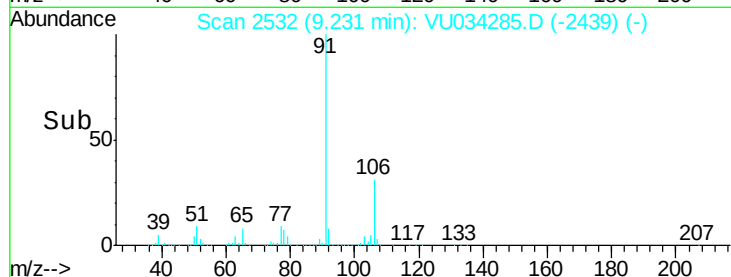
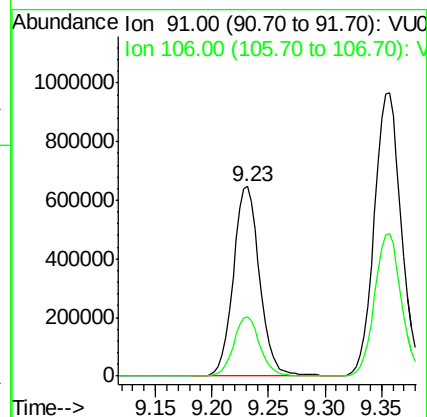
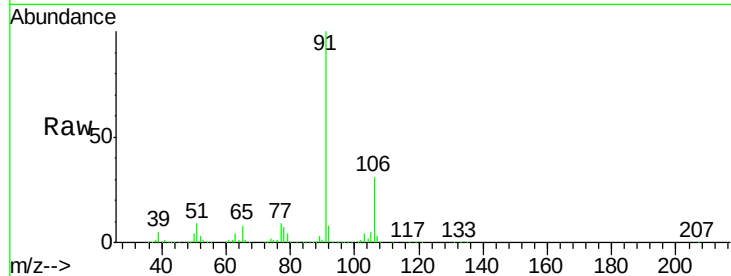
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



#68

m/p-Xylenes

Concen: 109.761 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034285.D

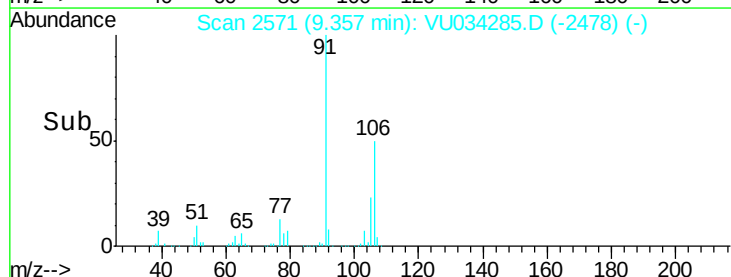
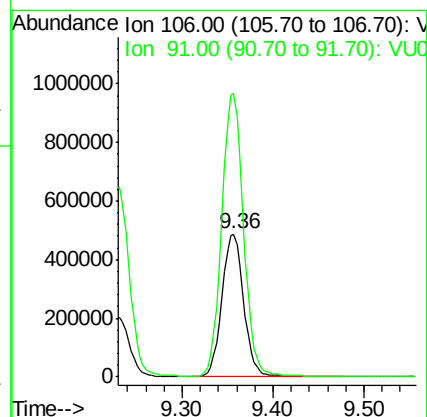
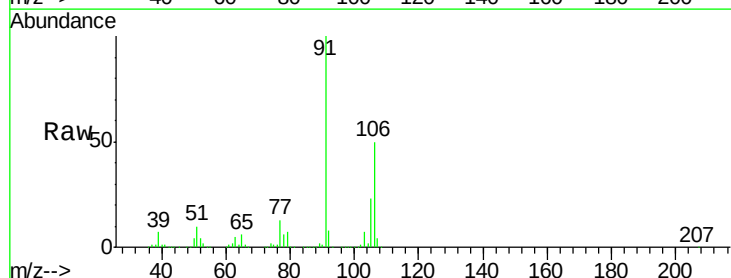
Acq: 05 Sep 2019 15:49

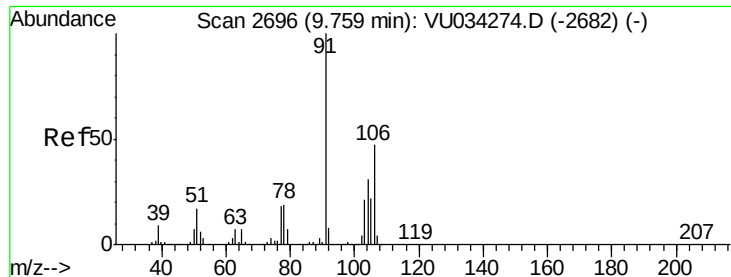
Tgt Ion: 106 Resp: 808118

Ion Ratio Lower Upper

106 100

91 199.3 160.1 240.1





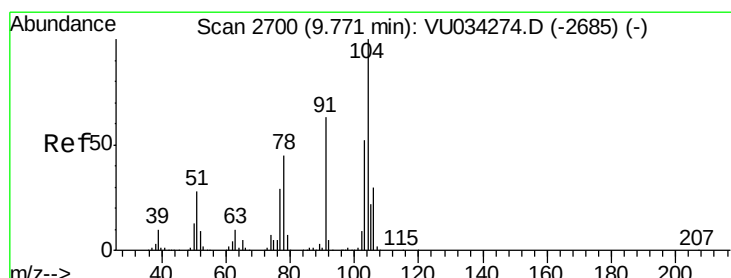
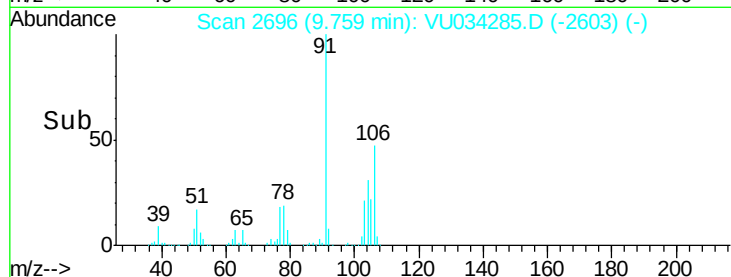
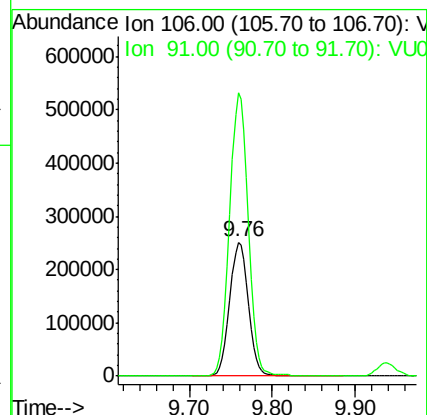
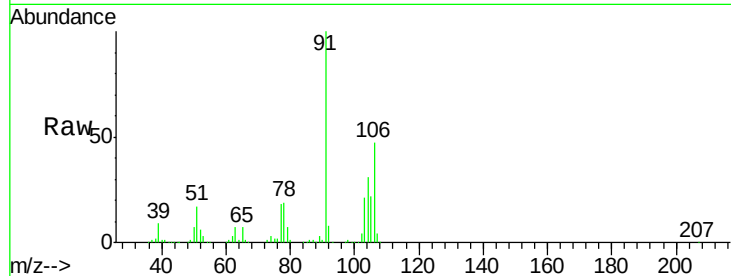
#69
o-Xylene
Concen: 54.716 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	393972		
91	209.8	105.1	315.3	

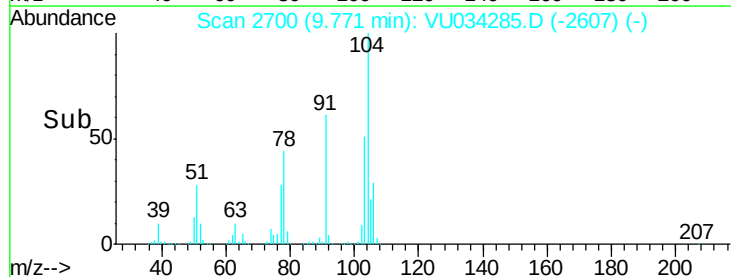
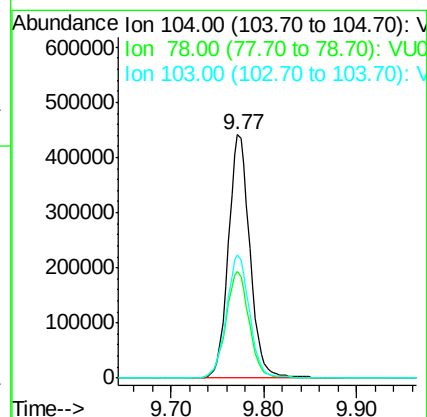
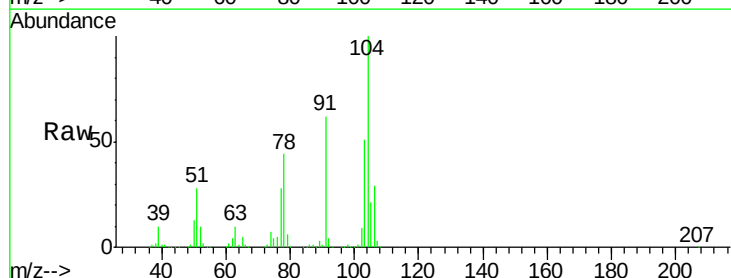
Manual Integrations
APPROVED

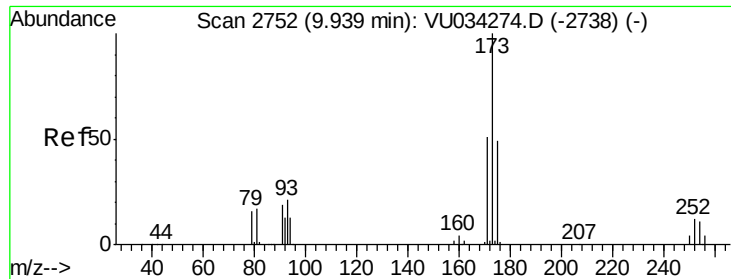
MMDadoda
9/6/2019 3:22:06 PM



#70
Styrene
Concen: 56.269 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	710342		
78	47.4	38.6	57.8	
103	54.4	44.2	66.4	





#71

Bromoform

Concen: 51.417 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

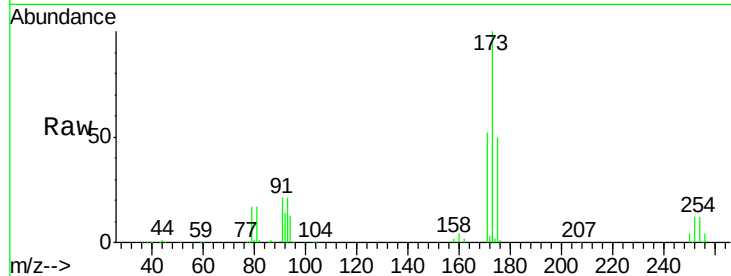
ClientSampleId :

VSTDCCC050

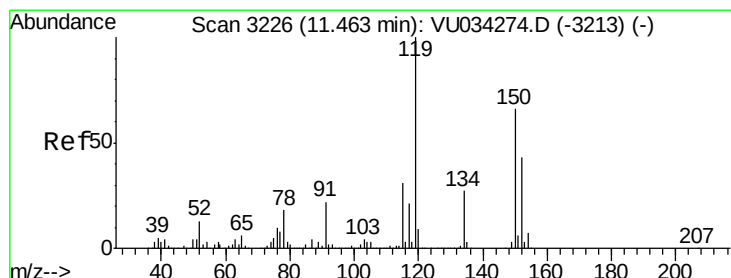
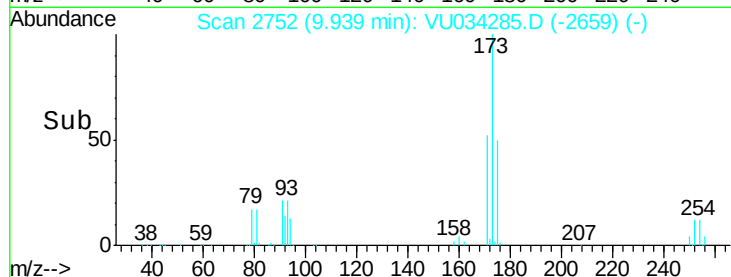
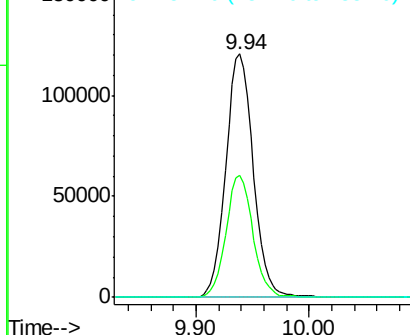
Tot Ion:	173	Resp:	203358
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

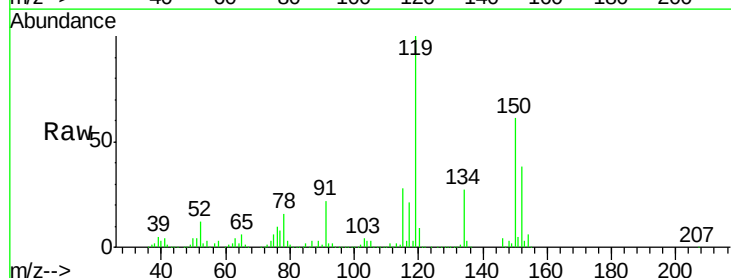
RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

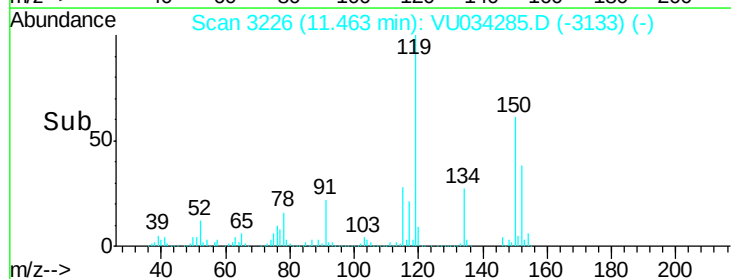
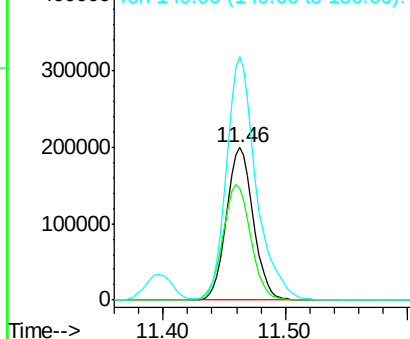
Lab File: VU034285.D

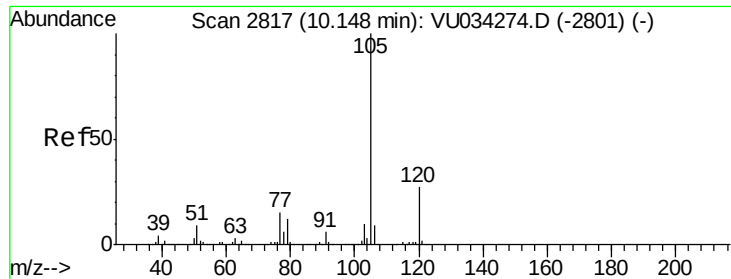
Acq: 05 Sep 2019 15:49

Tgt Ion:	152	Resp:	308351
Ion Ratio	Lower	Upper	
152	100		
115	79.4	39.1	117.3
150	174.6	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.752 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1078628

Ion Ratio Lower Upper

105 100

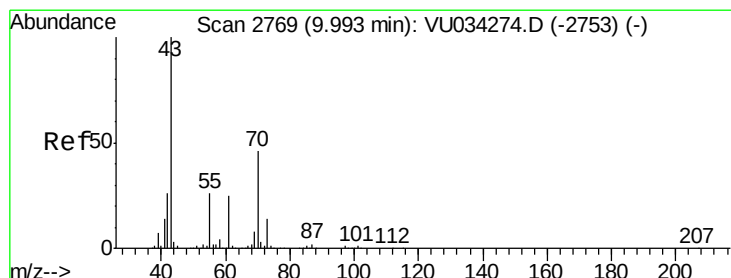
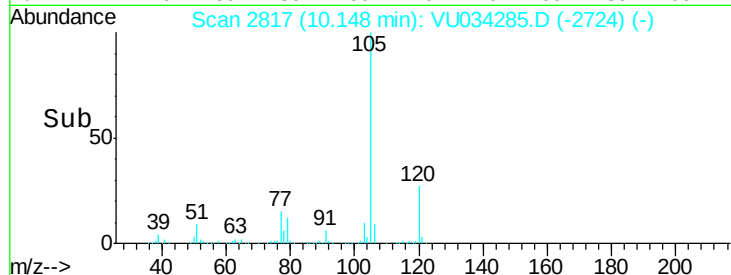
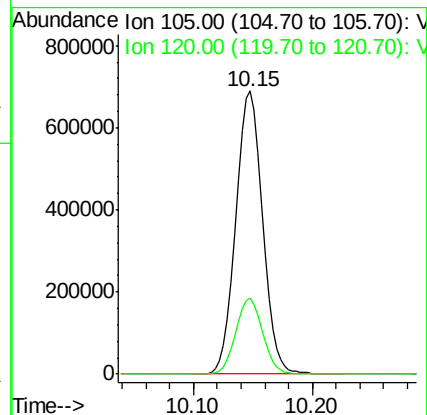
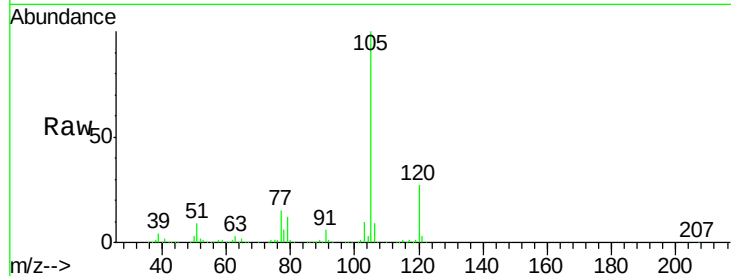
120 26.9 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



#74

N-ethyl acetate

Concen: 57.004 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion: 43 Resp: 460443

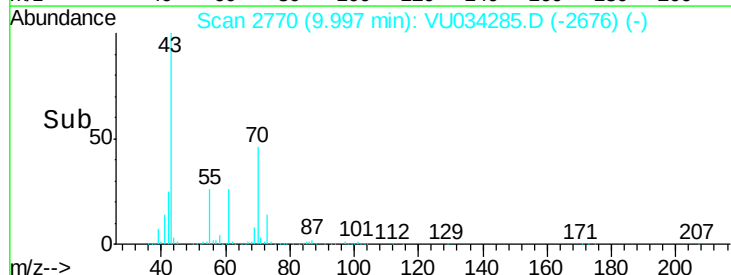
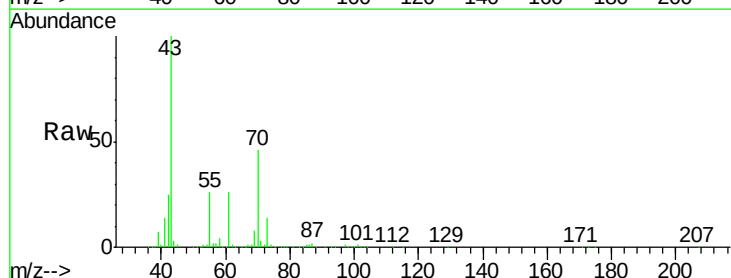
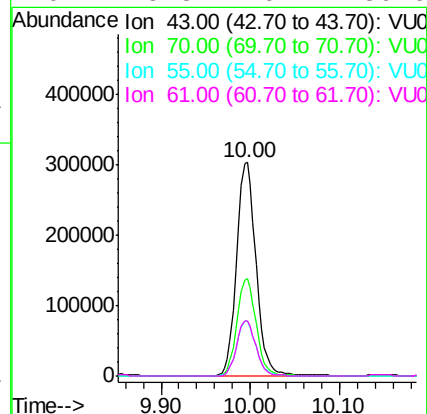
Ion Ratio Lower Upper

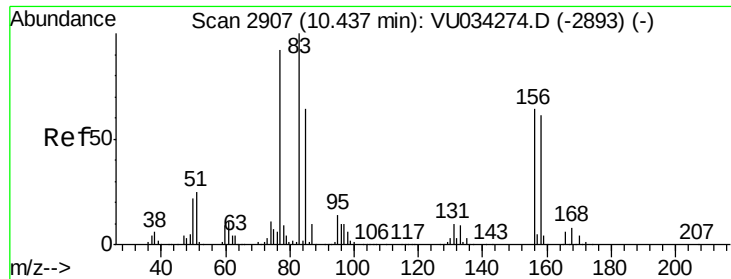
43 100

70 45.2 36.4 54.6

55 25.9 21.2 31.8

61 25.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.218 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 399779

Ion Ratio Lower Upper

83 100

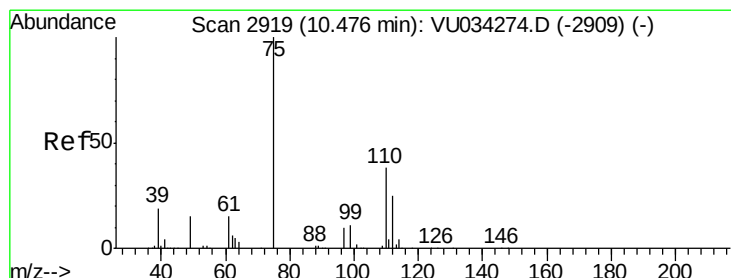
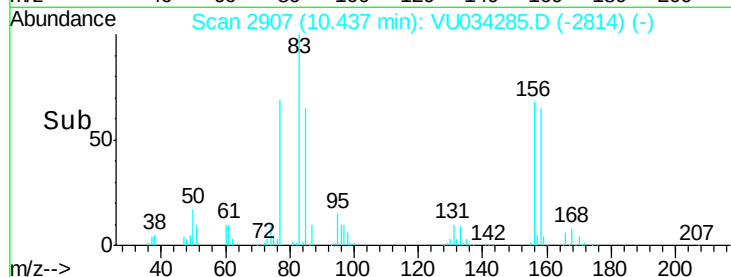
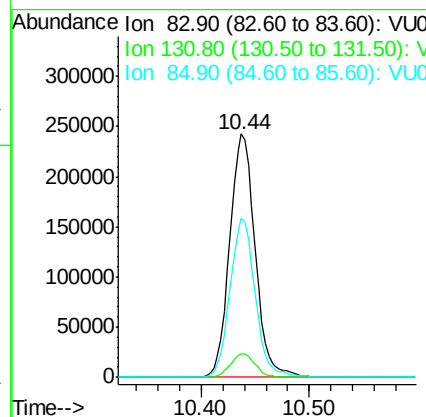
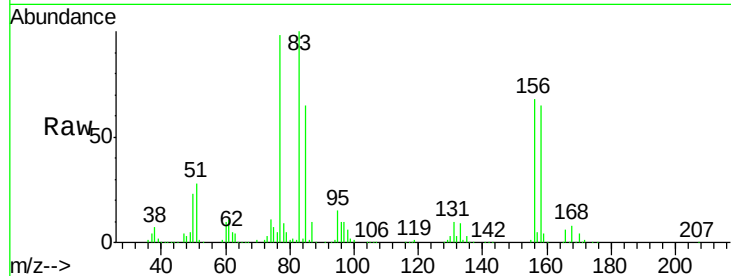
131 9.6 5.1 15.2

85 64.8 32.0 96.2

Manual Integrations
APPROVED

MMDadoda

9/6/2019 3:22:06 PM



#76

1,2,3-Trichloropropane

Concen: 49.699 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034285.D

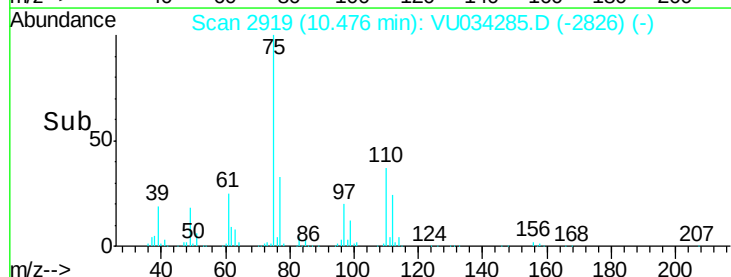
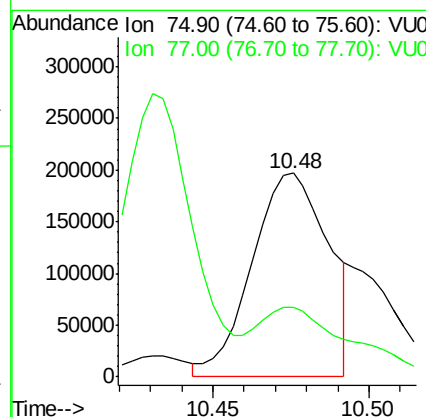
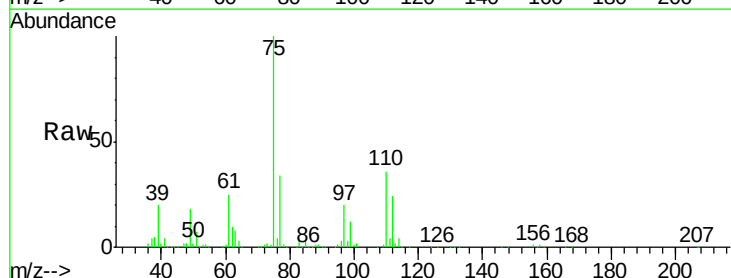
Acq: 05 Sep 2019 15:49

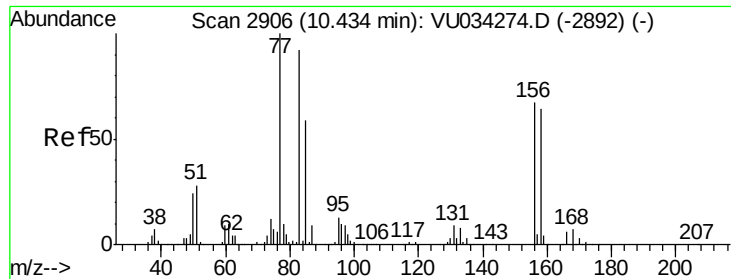
Tgt Ion: 75 Resp: 334511

Ion Ratio Lower Upper

75 100

77 42.1 20.8 62.2





#77

Bromobenzene

Concen: 51.788 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

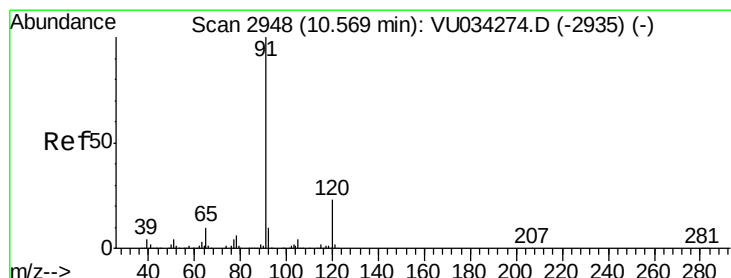
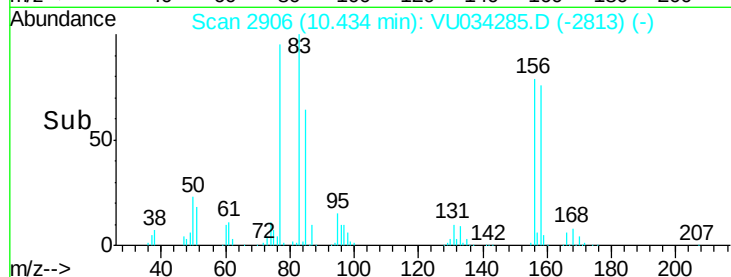
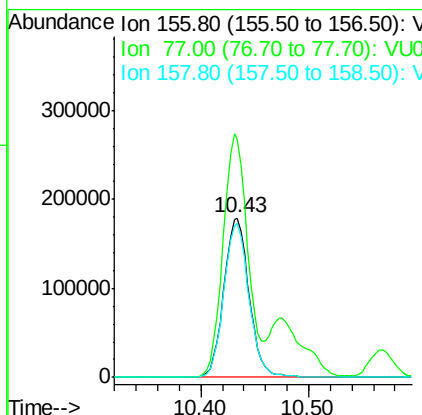
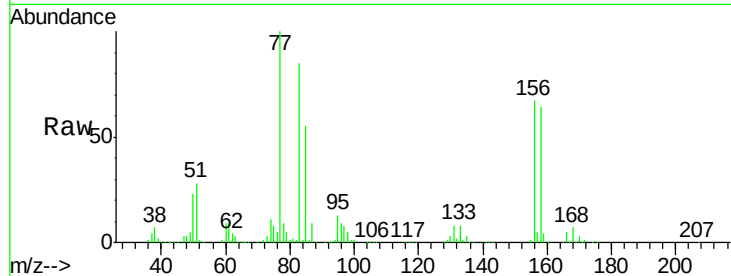
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	290579
Ion Ratio	Lower	Upper	
156	100		
77	151.2	75.6	226.9
158	96.6	48.2	144.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#78

n-propylbenzene

Concen: 54.674 ug/l

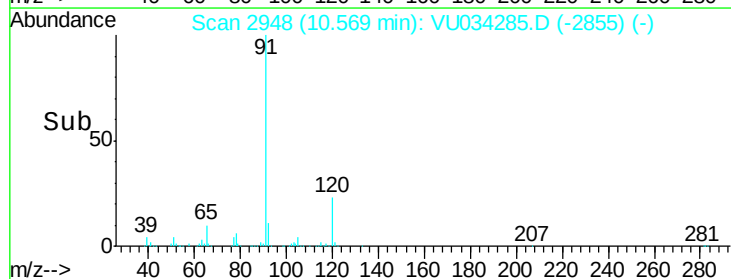
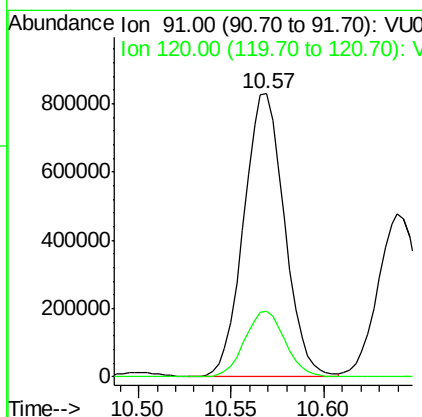
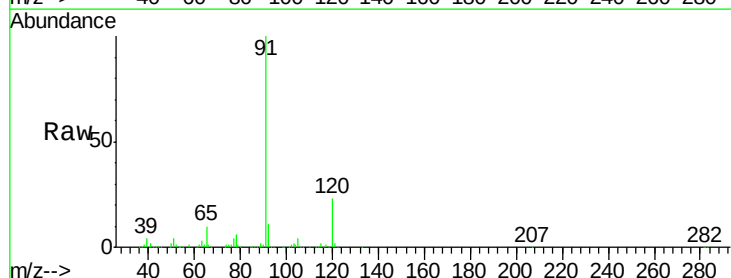
RT: 10.57 min Scan# 2948

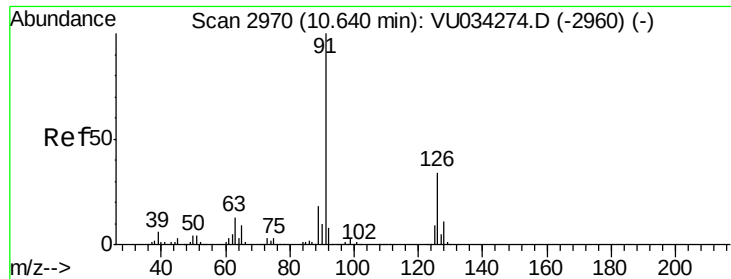
Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	91	Resp:	1267085
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 53.354 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 754449

Ion Ratio Lower Upper

91 100

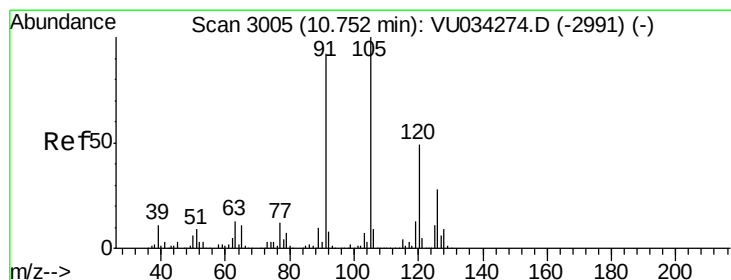
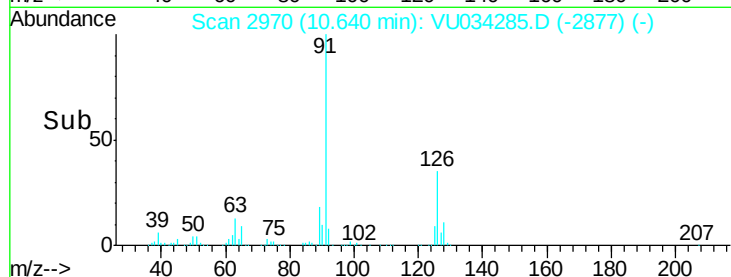
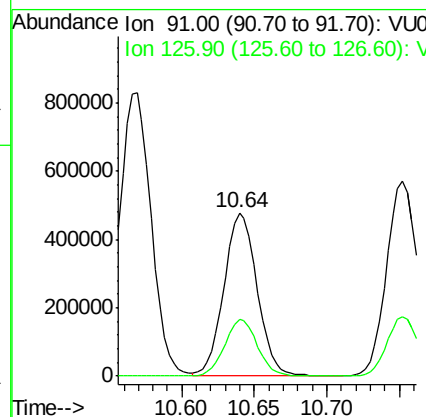
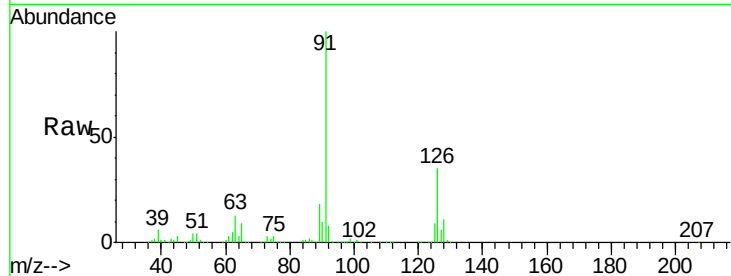
126 34.5 17.3 51.9

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



#80

1,3,5-Trimethylbenzene

Concen: 55.749 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034285.D

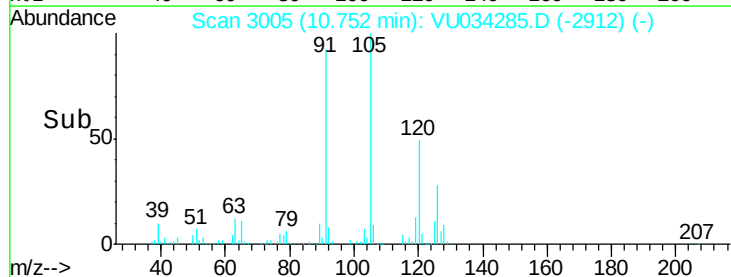
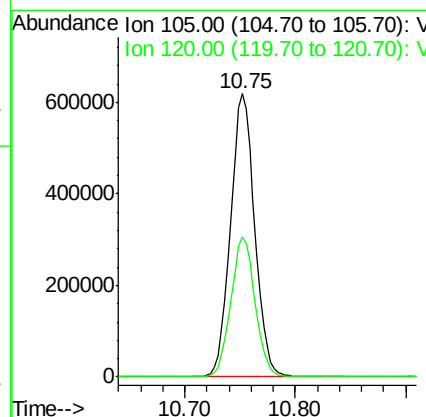
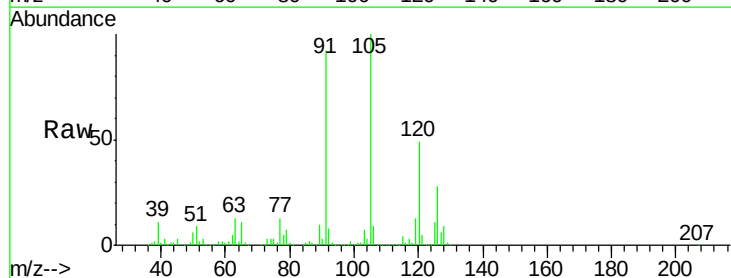
Acq: 05 Sep 2019 15:49

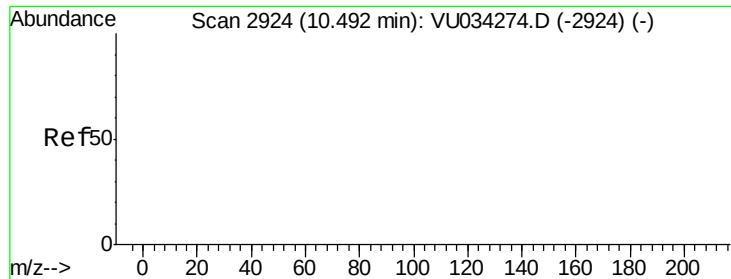
Tgt Ion: 105 Resp: 935618

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7





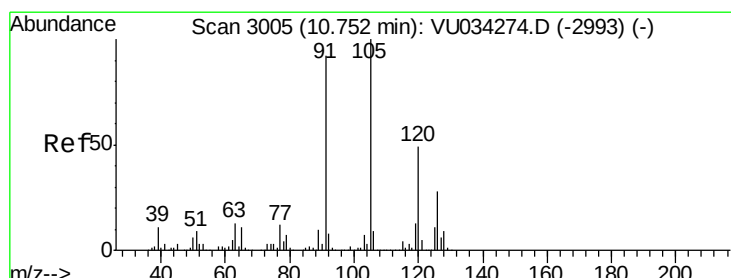
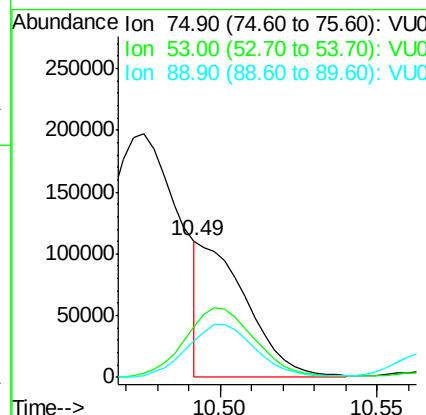
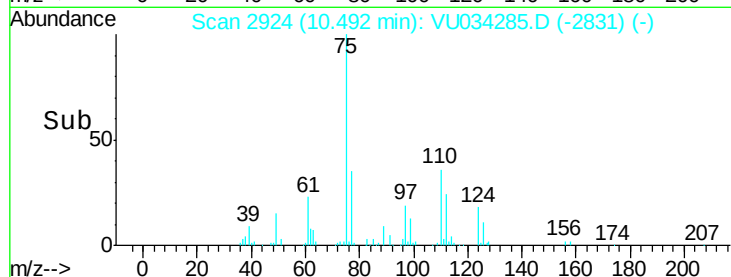
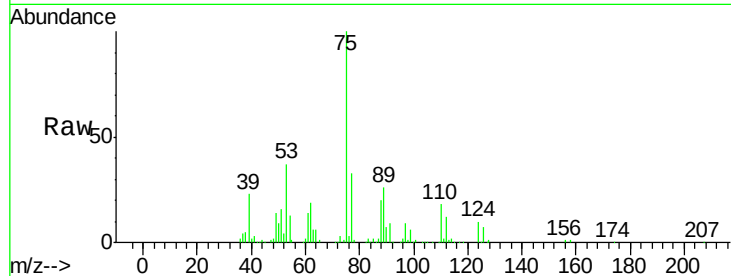
#81
trans-1,4-Dichloro-2-butene
Concen: 56.865 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

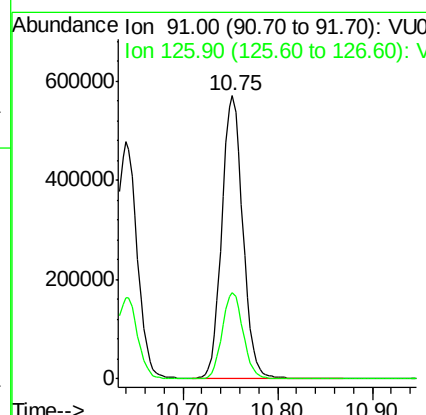
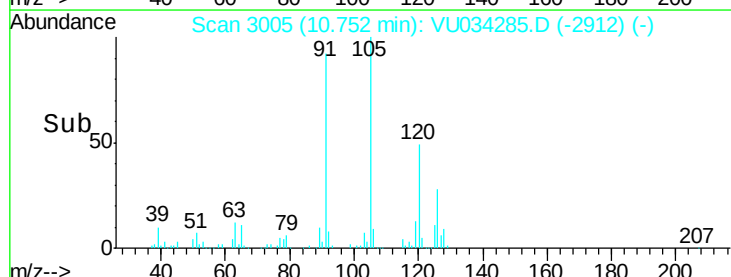
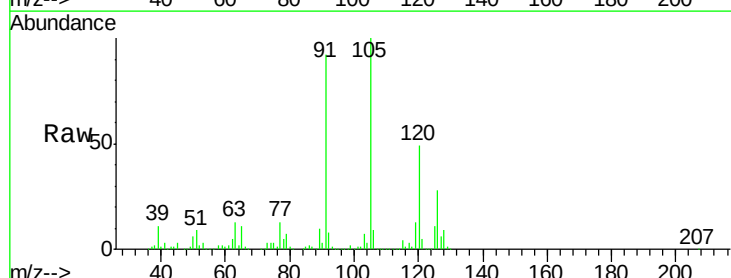
Manual Integrations
APPROVED

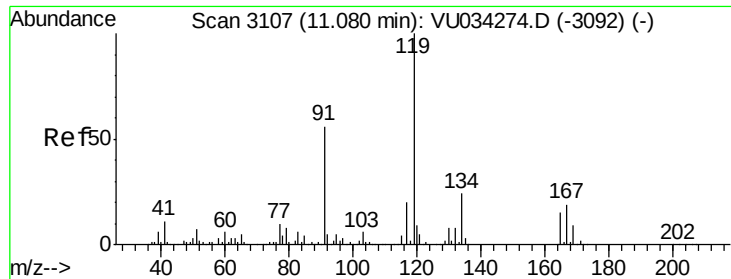
MMDadoda
9/6/2019 3:22:06 PM



#82
4-Chlorotoluene
Concen: 54.030 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034285.D
Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	30.4	15.3	45.8





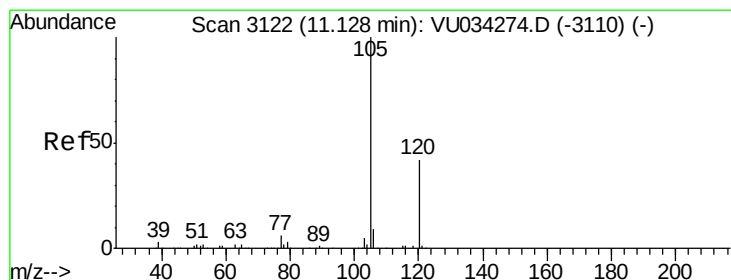
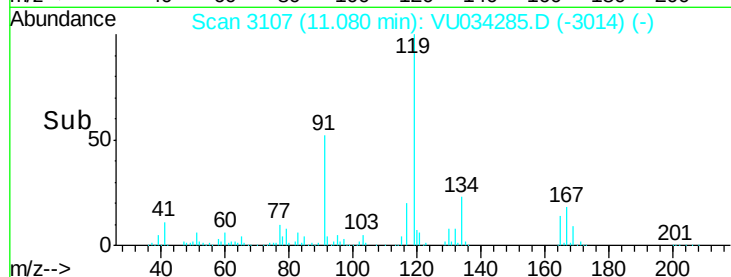
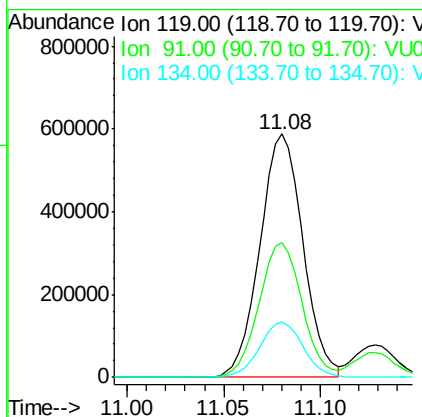
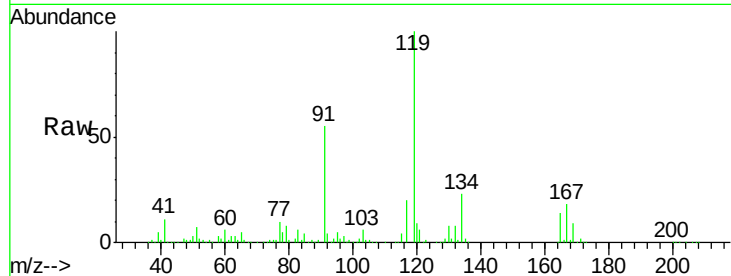
#83
 tert-Butylbenzene
 Concen: 54.413 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.8	83.4
134	22.9	11.7	35.0

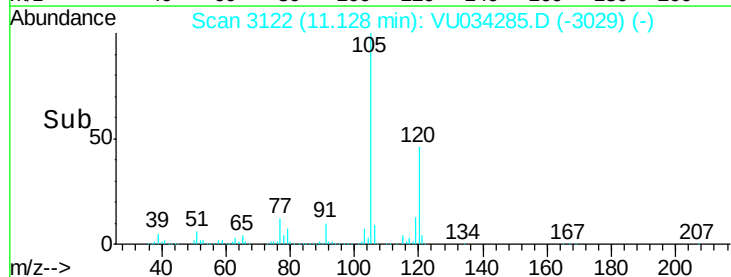
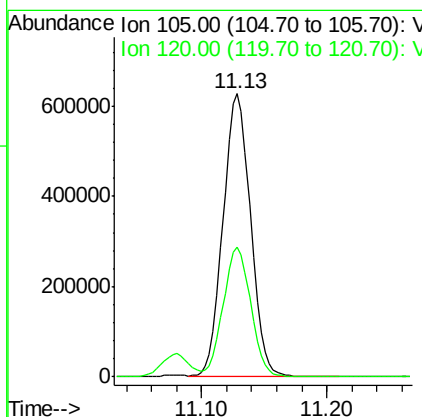
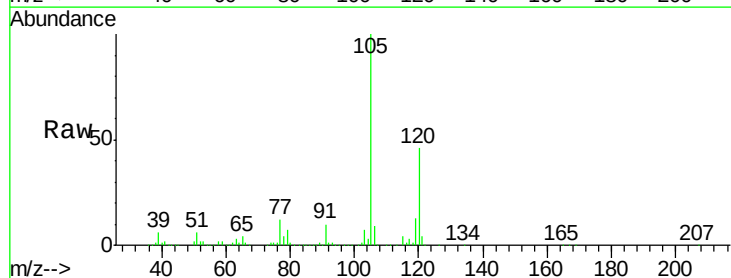
Manual Integrations
 APPROVED

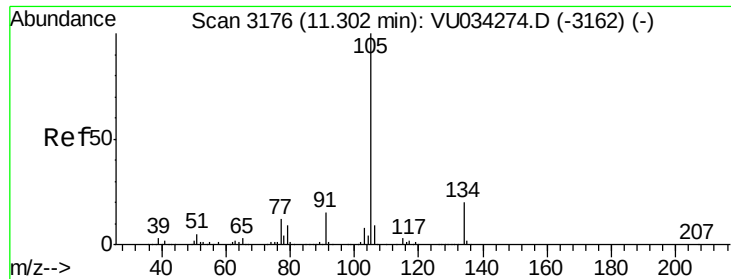
MMDadoda
 9/6/2019 3:22:06 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.257 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





#85

sec-Butylbenzene

Concen: 55.904 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1108050

Ion Ratio Lower Upper

105 100

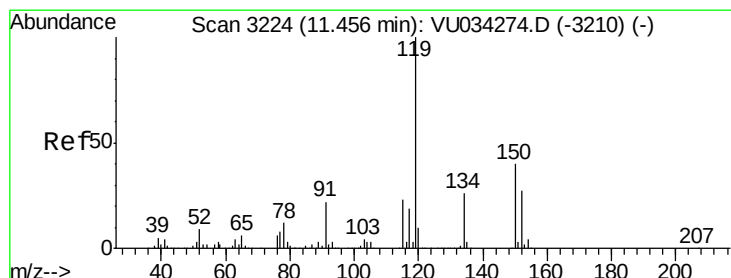
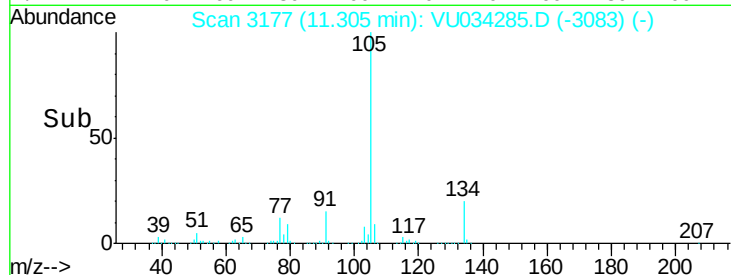
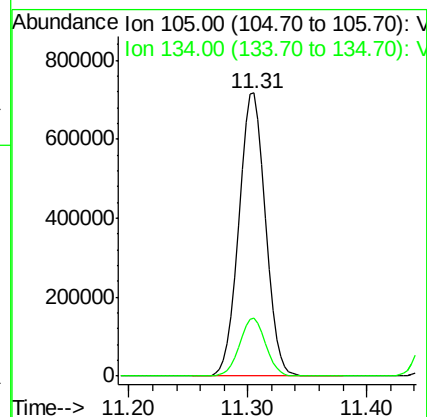
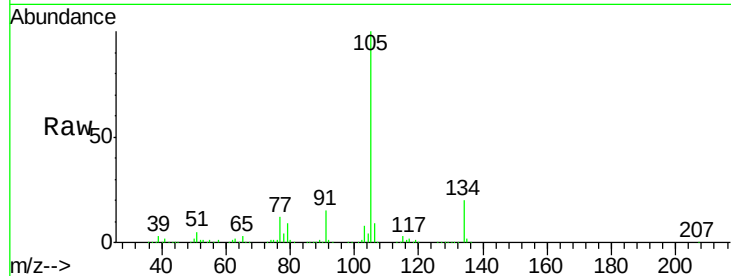
134 20.2 10.1 30.3

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:06 PM



#86

p-Isopropyltoluene

Concen: 56.496 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

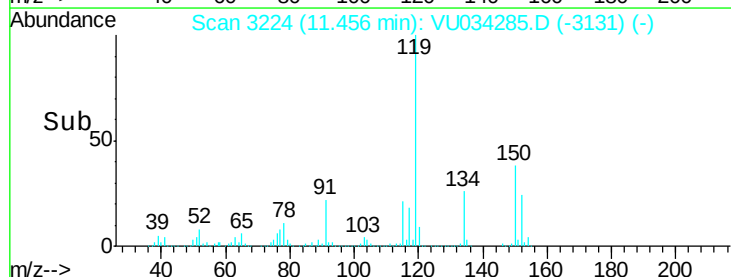
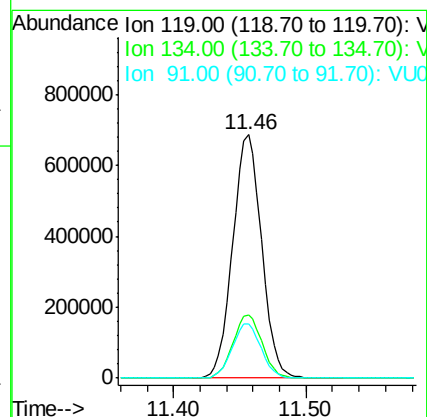
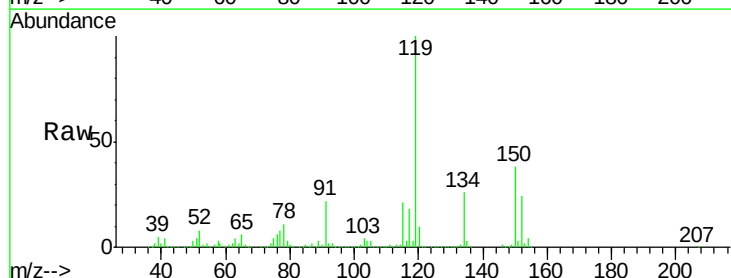
Tgt Ion:119 Resp: 1033543

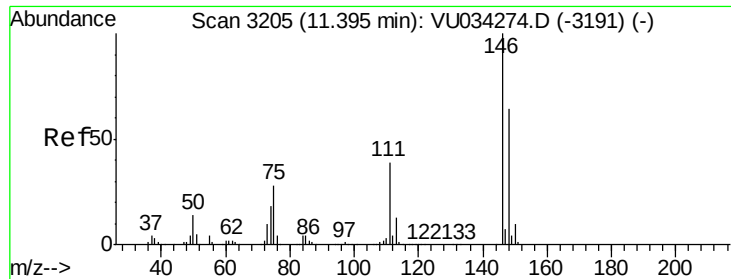
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.4 11.2 33.6





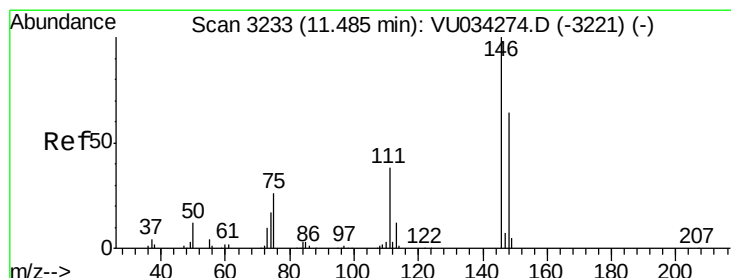
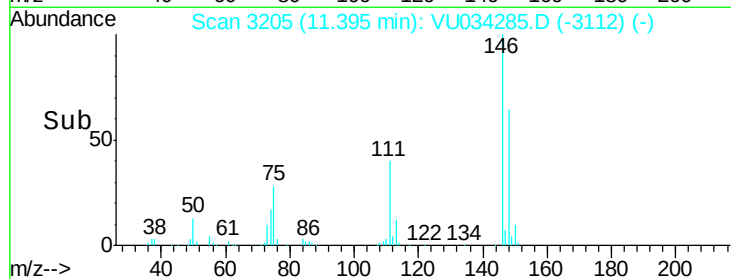
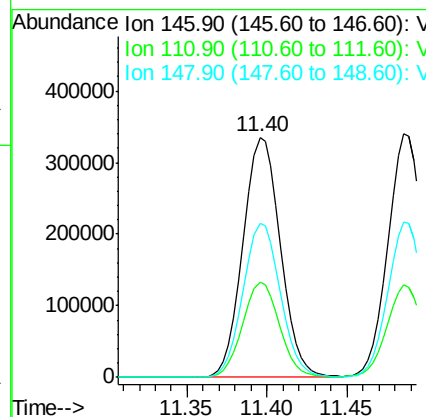
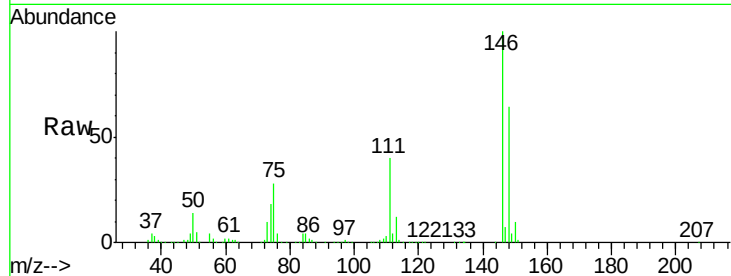
#87
 1,3-Dichlorobenzene
 Concen: 52.191 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	64.0	32.1	96.3

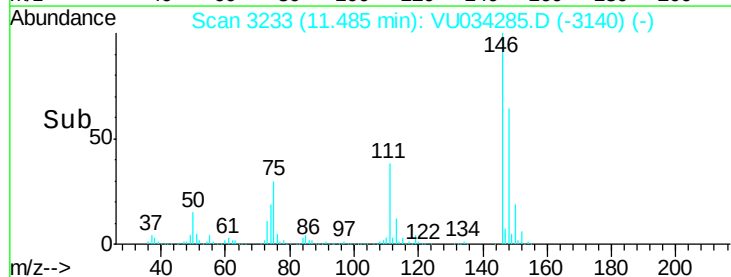
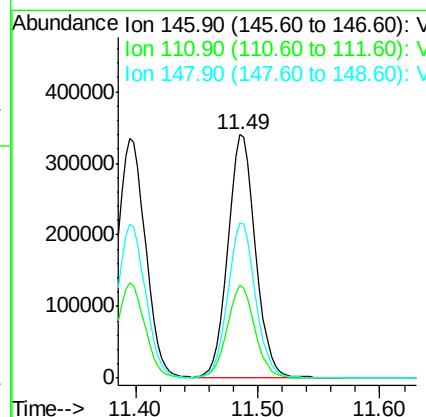
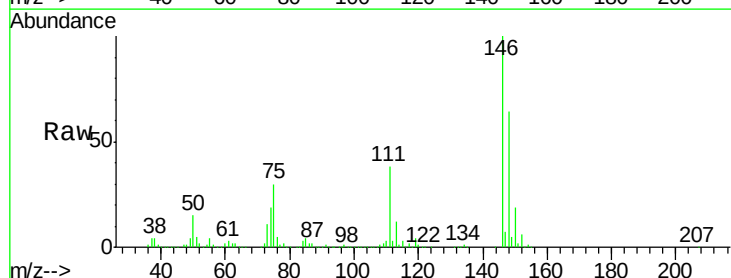
Manual Integrations
 APPROVED

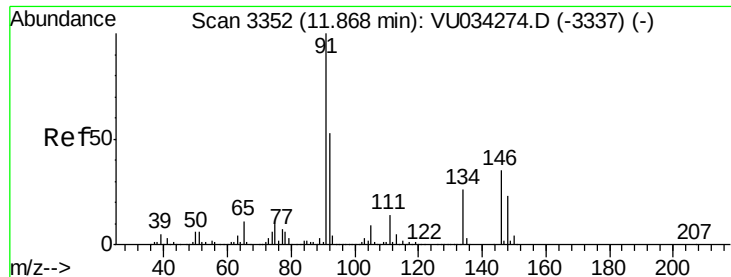
MMDadoda
 9/6/2019 3:22:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.447 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	64.0	32.0	96.0





#89

n-Butylbenzene

Concen: 59.398 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

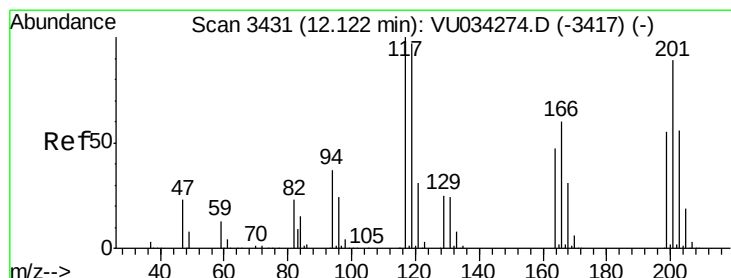
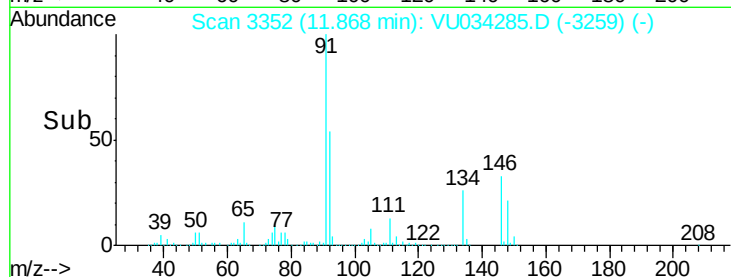
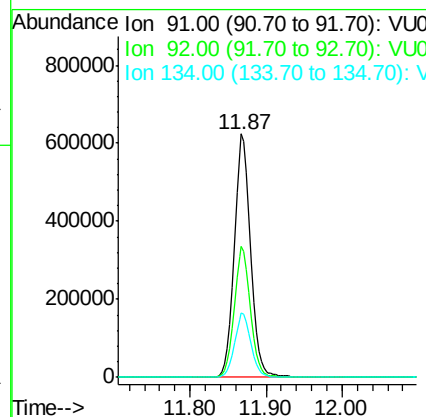
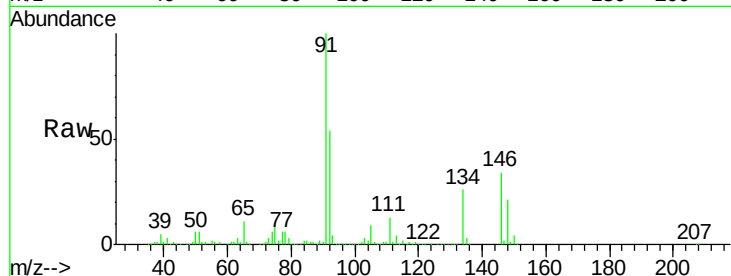
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	944317
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	26.5	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:06 PM



#90

Hexachloroethane

Concen: 52.769 ug/l

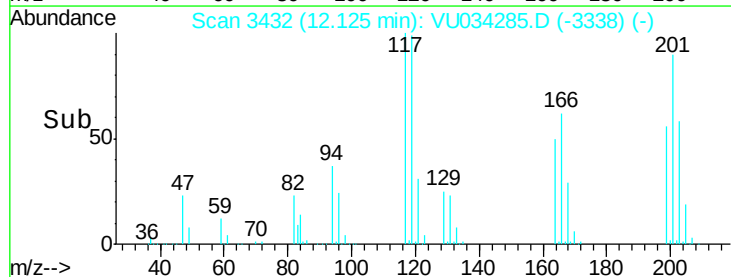
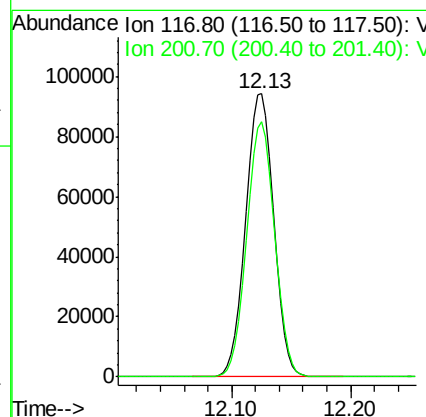
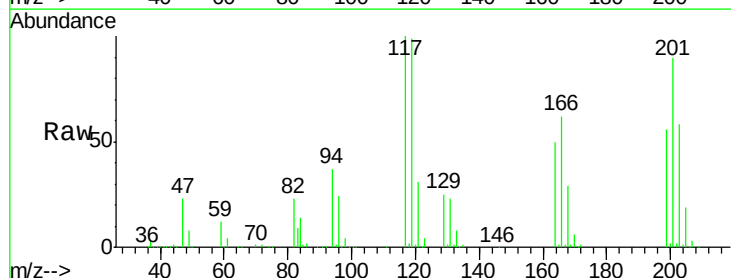
RT: 12.13 min Scan# 3432

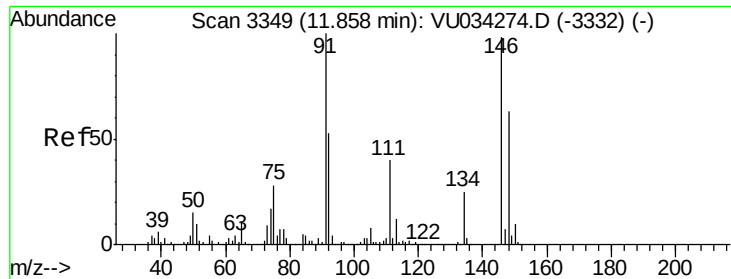
Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Tgt Ion:	117	Resp:	154448
Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.1	132.4





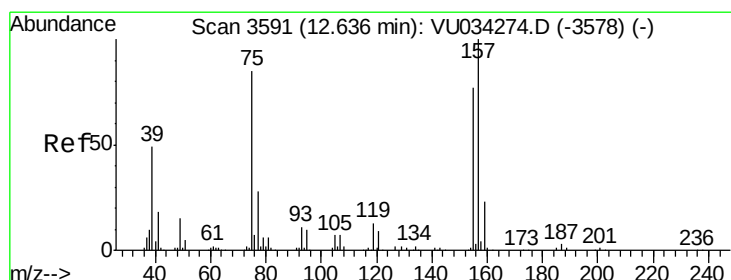
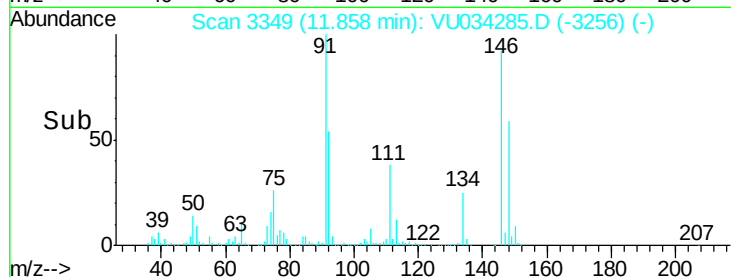
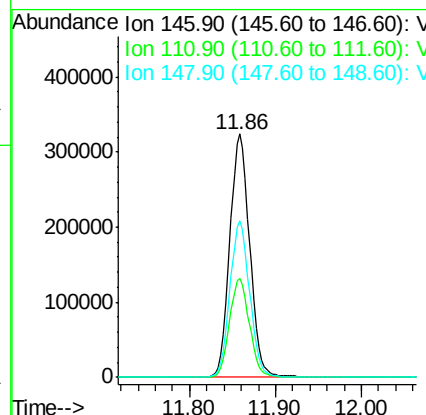
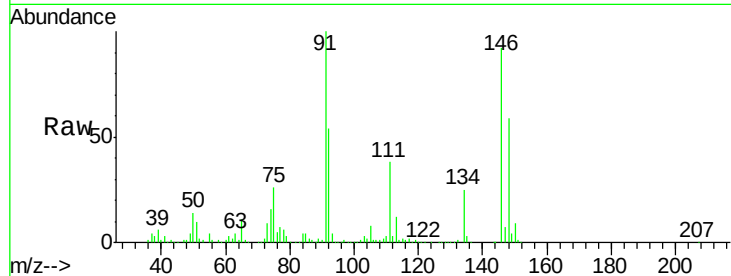
#91
 1,2-Dichlorobenzene
 Concen: 51.665 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	519875		
111	40.8		20.0	60.0
148	63.7		31.6	94.8

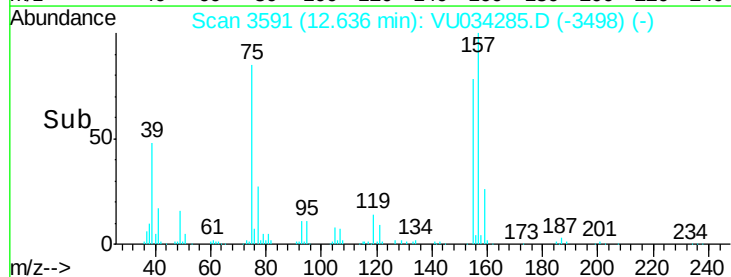
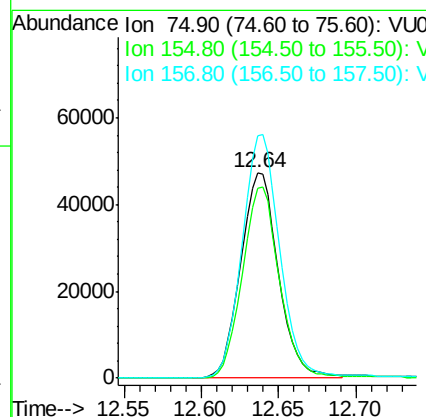
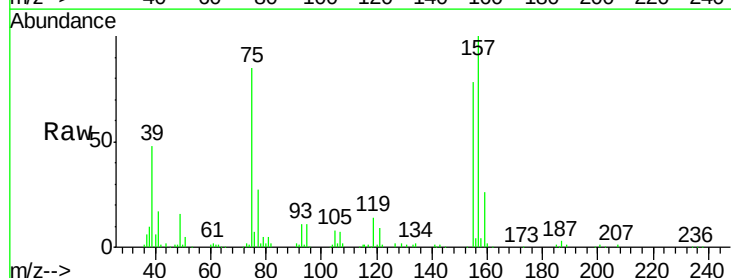
Manual Integrations
 APPROVED

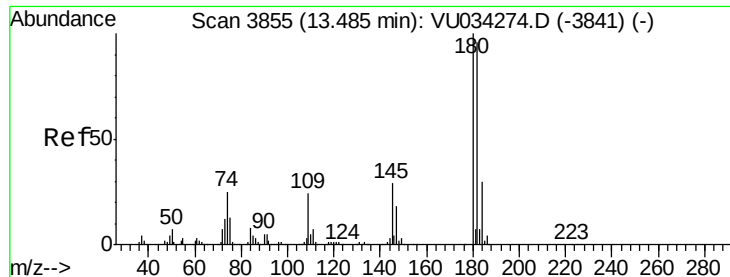
MMDadoda
 9/6/2019 3:22:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.860 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80390		
155	92.0		44.6	134.0
157	118.2		58.2	174.6





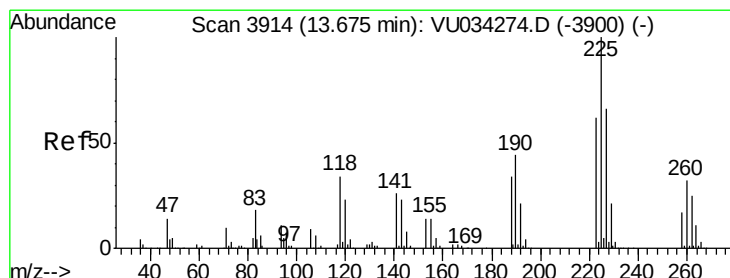
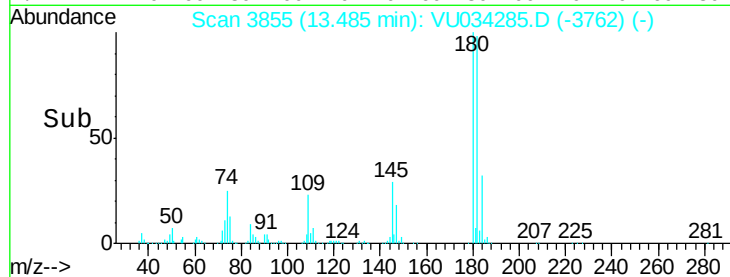
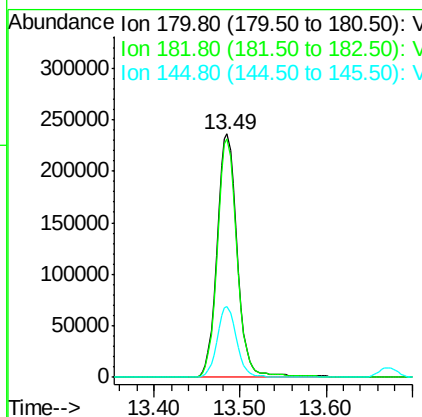
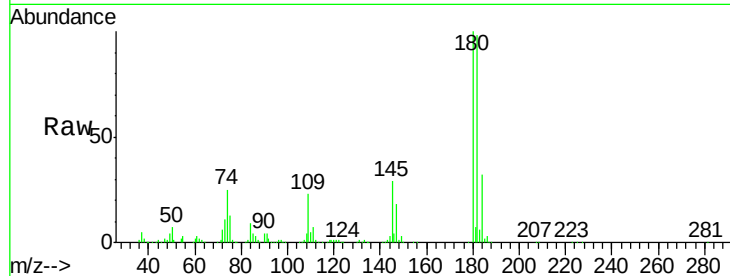
#93
 1,2,4-Trichlorobenzene
 Concen: 52.792 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.9	143.8	
145	28.4	14.4	43.0	

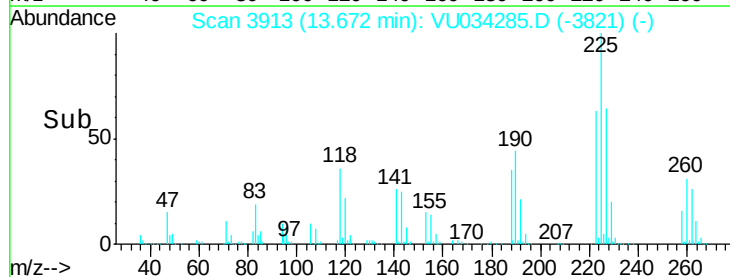
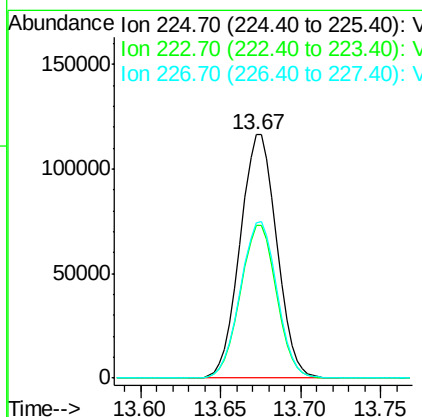
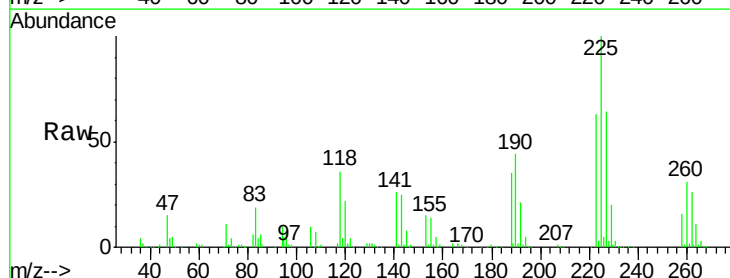
Manual Integrations
 APPROVED

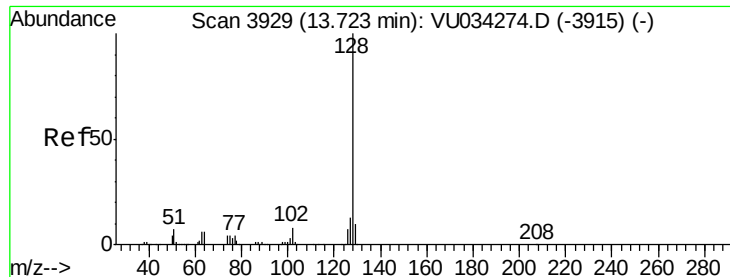
MMDadoda
 9/6/2019 3:22:06 PM



#94
 Hexachlorobutadiene
 Concen: 51.745 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034285.D
 Acq: 05 Sep 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.6	94.7	
227	64.5	32.3	96.8	





#95

Naphthalene

Concen: 50.971 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1049225

Ion Ratio Lower Upper

128 100

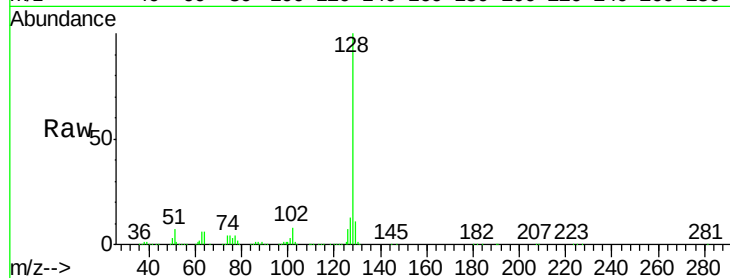
127 13.0 10.6 15.8

129 10.6 8.4 12.6

Manual Integrations
APPROVED

MMDadoda

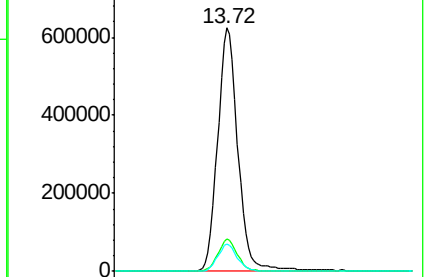
9/6/2019 3:22:06 PM



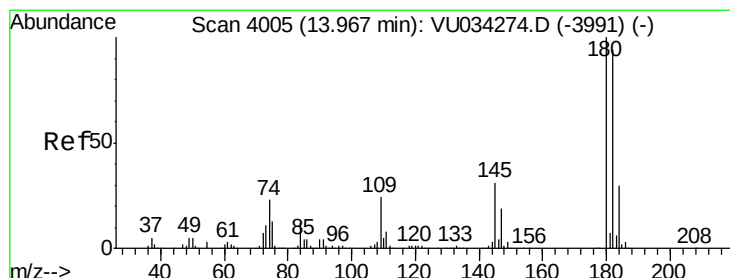
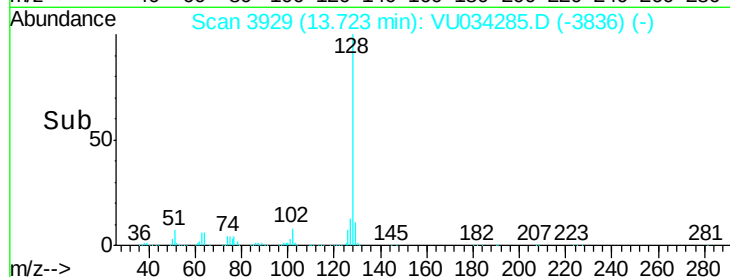
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 53.165 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034285.D

Acq: 05 Sep 2019 15:49

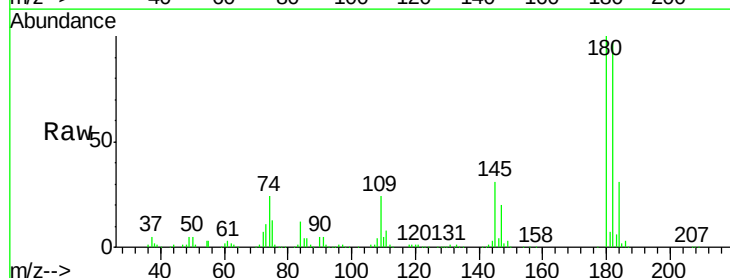
Tgt Ion:180 Resp: 375992

Ion Ratio Lower Upper

180 100

182 96.3 48.4 145.0

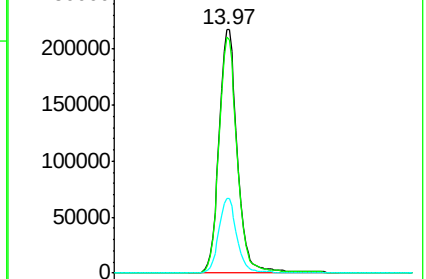
145 30.1 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

